



BULLETIN

LYCOMING COLLEGE

WILLIAMSPORT, PENNA.



Offering

FOUR YEARS OF COLLEGE

Catalogue 1948-1949

Announcements for 1949-1950

BULLETIN
LYCOMING COLLEGE

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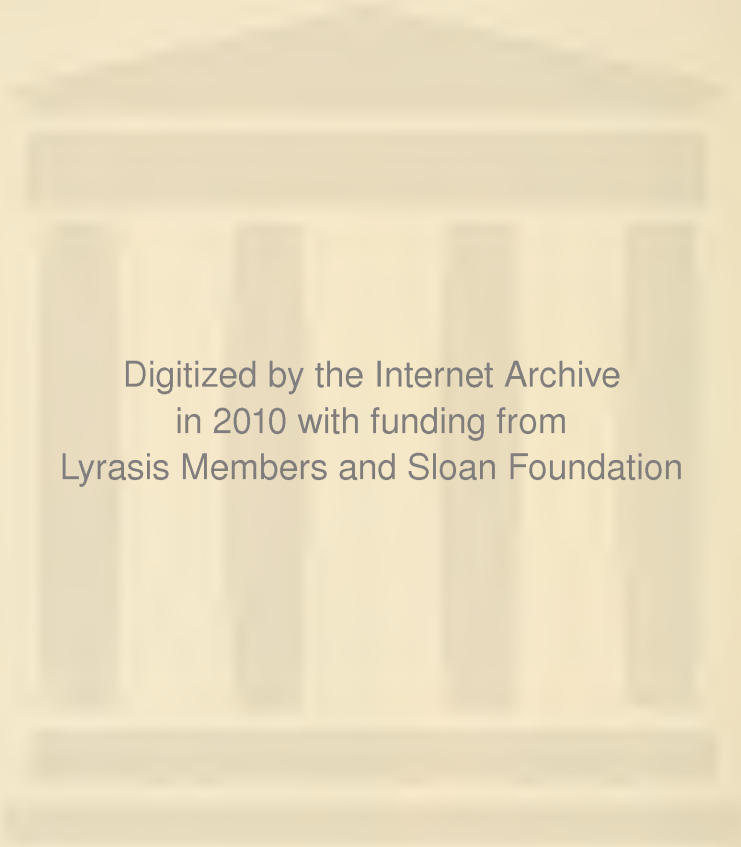
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OFFICIAL
BULLETIN

LYCOMING COLLEGE

(Formerly WILLIAMSPORT-DICKINSON)

ANNOUNCEMENTS OF COURSES

1949-1950

OFFERING

FOUR YEARS
OF COLLEGE

1949-1950

Williamsport, Pennsylvania

Approved to Grant Baccalauerate Degrees by the Pennsylvania State
Department of Education and the University Senate
of the Methodist Church

Member of
Middle States Association of Colleges and Secondary Schools
Association of Methodist Colleges

CALENDAR

1949

Friday, February 4.....Second Semester Begins
Saturday, April 9, noon.....Easter Recess Begins
Monday, April 18.....Easter Recess Ends
Tuesday, April 19.....Classes Resume
Monday, June 6.....Commencement

SUMMER SESSION

Monday, June 20.....Registration
Tuesday, June 21.....Classes Begin
Saturday, after classes, to Tuesday, July 2-5.....Fourth of July Recess
Wednesday, July 27.....First Period Ends
Thursday, July 28.....Second Period Begins
Wednesday, August 31.....Second Period Ends

1949-1950

FIRST SEMESTER

Monday, September 19
Registration of Freshmen—Orientation Period Begins
Thursday, 8:30 A. M., to Saturday, noon, September 22-24
Registration of Nonfreshmen
Sunday, September 25.....Matriculation Service
Monday, September 26.....Classes Begin
Wednesday, November 23, noon.....Thanksgiving Recess Begins
Sunday, November 27.....Thanksgiving Recess Ends
Monday, November 28.....Classes Resume
Tuesday, December 20, after classes.....Christmas Recess Begins
Tuesday, January 3.....Christmas Recess Ends
Wednesday, January 4.....Classes Resume
Monday, January 30, through Thursday, February 2
Rescheduling for Second Semester
Wednesday, February 1.....First Semester Ends

SECOND SEMESTER

Thursday, February 2.....Registration of New Students
Friday, February 3.....Second Semester Begins
Saturday, April 1, noon.....Easter Recess Begins
Monday, April 10.....Easter Recess Ends
Tuesday, April 11.....Classes Resume
Sunday, June 4.....Commencement

BOARD OF DIRECTORS

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MR. ARNOLD A. PHIPPS	<i>Vice President</i>
REV. A. LAWRENCE MILLER, PH.D.	<i>Secretary</i>

TERM EXPIRES 1949

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REV. W. EDWARD WATKINS, D.D.	Harrisburg
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DR. PAUL E. WITMEYER	Williamsport

TERM EXPIRES 1950

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REV. G. CECIL WEIMER	Williamsport
REV. J. MERRILL WILLIAMS, D.D.	Harrisburg

TERM EXPIRES 1951

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MR. IVAN E. GARVER	Roaring Spring
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REV. J. E. SKILLINGTON, D.D.	York
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JUDGE CHARLES SCOTT WILLIAMS	Williamsport

ADMINISTRATIVE STAFF

JOHN W. LONG	<i>President</i>
J. MILTON SKEATH	<i>Dean</i>
FLORENCE DEWEY	<i>Dean of Women</i>
DONALD J. FELIX	<i>Dean of Men</i>
T. SHERMAN STANFORD	<i>Director of Admissions</i>
ROBERT G. WHARTON, JR.	<i>Business Manager</i>
KENNETH E. HIMES	<i>Treasurer</i>
BESSIE L. WHITE	<i>Recorder</i>
CLARA E. FRITCHE	<i>Bookkeeper</i>
KATHERINE R. WOOLEVER	<i>Publicity Director</i>
M. JOAN EVENDEN	<i>Assistant Bookkeeper</i>
NELLIE F. GORGAS	<i>Secretary to the President</i>
LOIS E. SAUTER	<i>Secretary to the Dean</i>
ROSEMARY FORD	<i>Secretary to the Registrar</i>
EMILY BIICHLER	<i>Secretary to the Business Manager</i>
HELEN A. SHEPARD	<i>Assistant Secretary to the Administration</i>
DOROTHY J. STREETER	<i>Bookstore Manager</i>
MARTHA B. BROUSE	<i>College Nurse</i>

FACULTY

JOHN W. LONG, President (1921)

A.B., D.D., Dickinson College; LL.D., Western Maryland; Drew Theological Seminary.

J. MILTON SKEATH, Dean (1921) *Professor of Psychology*

A.B., Dickinson College; M.A., University of Pennsylvania; graduate work, Bucknell University, Pennsylvania State College.

ERIC V. SANDIN (1946) *Professor of English*

B.S., Wesleyan University; M.A., Columbia University; Ph.D., University of Illinois.

GEORGE S. SHORTESS (1948) *Professor of Biology*

A.B., Johns Hopkins University; A.M., Columbia University; Ph.D., Johns Hopkins University.

MABEL K. BAUER (1942) *Associate Professor of Chemistry*
B.S., Cornell University; M.S., University of Pennsylvania; graduate
work, Butler University, Alfred College.

PHIL G. GILLETTE (1929) *Associate Professor of Spanish*
A.B., Ohio University; M.A., Ohio State University; graduate work,
Columbia University.

JAMES W. STERLING (1924) *Associate Professor of English*
A.B., M.A., Syracuse University; graduate work, Columbia University.

ARMAND J. L. VAN BAELEN (1947) *Associate Professor of Mathematics*
College Communal, Tulemont, Belgium; B.S., Agric College, Gemblaux,
Belgium; M.S., Rutgers University.

HELEN BREESE WEIDMAN (1944) *Associate Professor of History*
A.B., M.A., Bucknell University; Ph.D., Syracuse University.

JOSEPH D. BABCOCK (1931) *Assistant Professor of Physics*
A.B., Dickinson College; graduate work, Bucknell University.

CARL S. BAUER (1946) *Assistant Professor of Engineering Drawing*
B.S., M.Ed., Pennsylvania State College.

FLORENCE DEWEY, Dean of Women (1929) *Assistant Professor of Violin, Theoretical Subjects*
B.S., M.A., Columbia University; graduate, Institute of Musical Art of
the Juilliard Foundation.

J. MILNOR DOREY (1947) *Assistant Professor of English*
A.B., M.A., Dickinson College; M.A., Harvard University; graduate
work, Dartmouth College, Hunter College, University of Florida,
Pennsylvania State College.

ROBERT H. EWING (1947) *Assistant Professor of History*
A.B., College of Wooster; M.A., University of Michigan; graduate
work, Pennsylvania State College.

CHARLOTTE C. FINKENTHAL (1947) *Assistant Professor of German*
A.B., M.A., Western Reserve University; graduate work, Bryn Mawr
College; Candidate for Ph.D. at Columbia University.

LOUISE G. FROWNFELTER (1947) *Assistant Professor of Speech*
B.S. in Education, M.A. in English, Bucknell University; M.A. in Speech and Dramatics, Teachers College, Columbia University; graduate work, Breadloaf School of English, Middlebury College; diploma from Emilie Krider Norris School of Expression.

HELEN M. GOLDER (1943) *Assistant Professor of Art*
A.B., Pennsylvania State College; graduate work, New York University Summer School, Chautauqua, New York; private study under Bevington Arthur.

GEORGE S. GOODELL (1947) *Assistant Professor of Sociology*
B.S., M.A., New York University; graduate study, Yale University.

JOHN P. GRAHAM (1939) *Assistant Professor of English*
Ph.B., Dickinson College; M.Ed., Pennsylvania State College.

OLIVER E. HARRIS (1948) *Assistant Professor of Psychology*
A.B., M.S., Pennsylvania State College.

HAROLD I. HINKLEMAN (1946) *Assistant Professor of Accounting*
B.S., Shippensburg State Teachers College; M.S., Bucknell University; graduate work, New York University.

FRANCES E. KNIGHTS (1947) *Assistant Professor of Mathematics*
A.B., M.A., Bucknell University.

WALTER G. McIVER (1946) *Assistant Professor of Voice*
Mus.B., Westminster Choir College; graduate work, Bucknell University.

CHARLES HERBERT PIGHT (1948) College Chaplain
Assistant Professor of Religion
A.B., Union College; S.T.B., Boston University; graduate study, Boston University.

MARY LANDON RUSSELL (1936) *Assistant Professor of Organ, Piano*
Mus.B., Susquehanna University Conservatory of Music; graduate work, Juilliard School of Music; Ernest Hutcheson and James Friskin Master Classes, Chautauqua, New York.

ROBERT F. SMITH, Basketball Coach (1946)

Assistant Professor of History

B.S., Lock Haven State Teachers College; M.Ed., Pennsylvania State College; graduate work, Pennsylvania State College.

T. SHERMAN STANFORD

Director of Admissions, Athletic Director (1946)

Assistant Professor of Chemistry

B.S., Thiel College; M.S., Pennsylvania State College; graduate work, Pennsylvania State College.

MARY ELIZABETH STEWART (1948) *Assistant Professor of History*

B.S., University of Pennsylvania; M.A., University of Pennsylvania; M.A., Smith College; Ph.D., Columbia University.

JOHN A. STREETER (1946) *Assistant Professor of Economics*

A.B., M.A., Pennsylvania State College; graduate work, Bucknell University.

CLAIR J. SWITZER (1945) *Assistant Professor of Religion*

A.B., Juniata College; A.M., Bucknell University; B.D., Susquehanna University Theological Seminary.

JOSEPH N. WHITTEN, Director of Audio-Visual Education (1947)

Librarian with Rank of Assistant Professor

B.A., Mississippi College; B.S. in L.S., George Peabody College; M.S., Columbia University; graduate work, Columbia University.

GEORGE LEE BAER, Football Coach (1947) *Instructor in Biology*

B.S., University of Delaware.

LULU BRUNSTETTER (1925)

Assistant Librarian with Rank of Instructor

Bloomsburg State Normal; Pennsylvania State College, Summer Session.

JOHN A. CAMPBELL (1948)

Instructor in Chemistry

A.B., Franklin and Marshall College; B.D., Lancaster Seminary; graduate work, University of Pittsburgh and University of Chicago.

- ROGER EARLE COGSWELL (1946) *Instructor in French*
B.S., Sorbonne University, Paris, France; graduate work, Engineering College, Paris, France.
- HAZEL B. DOREY (1943) *Instructor in Piano*
Honor graduate, Zeckwer-Hahn Conservatory of Music, Philadelphia, Pa.; graduate work, Dartmouth College, Skidmore College, Teachers College, Columbia University; private piano pupil of Frank LaForge, Ernesto Berumen, Harold Bauer, Robert Goldsand.
- DONALD J. FELIX, Dean of Men (1946) *Instructor in Physical Education*
B.S., East Stroudsburg State Teachers College; graduate work, Bucknell University, Pennsylvania State College.
- HELEN M. FELIX (1948) *Instructor in Physical Education*
B.S., East Stroudsburg State Teachers College.
- JAMES A. HEETHER (1945) *Instructor in Chemistry*
A.B., Bucknell University; M.S., University of Pennsylvania.
- ETHELWYNNE S. HESS (1943) *Instructor in Mathematics*
A.B., Bucknell University.
- KENNETH E. HIMES (1948) Treasurer *Instructor in Banking*
B.S., Drexel Institute of Technology; G.S.B., Rutgers University.
- GERTRUDE E. JEFFREY (1946) *Instructor in Mathematics*
A.B., Middlebury College; M.A., University of Virginia.
- ELOISE B. MALLINSON (1946) *Instructor in English*
A.B., Bucknell University.
- MARY JANE MARLEY (1946) *Instructor in Secretarial Studies*
B.S., Bucknell University; graduate work, Bucknell University.
- JEAN C. MILNOR (1948) *Assistant Librarian with Rank of Instructor*
A.B., Goucher College; graduate work, Columbia University.

GLORIA F. REBECCHI (1948) *Instructor in Spanish, French*
B.S., Temple University; A.M., University of Pennsylvania.

DONALD GEORGE REMLEY (1946) *Instructor in Mathematics, Physics*
A.B., Dickinson College; graduate work, Columbia University.

VIRGINIA L. SMITH (1946) *Instructor in English*
A.B., Juniata College; graduate work, University of Pittsburgh, Pennsylvania State College.

FREDERICK U. WELLS (1948) *Instructor in Selling*
B.A., University of Virginia; M.Litt., University of Pittsburgh.

PART TIME INSTRUCTORS

DOROTHY OLIVER EVANS (1947) *Anatomy and Physiology*
B.S., Elmira College; R.N., Arnot Ogden Memorial Hospital, Elmira, New York; Post Graduate Course, Children's Hospital, Philadelphia, Pennsylvania.

WELLARD T. GUFFY (1946) *Accounting*
B.S., Bucknell University.

OSBORNE L. HOUSEL (1947) *Band, Orchestra*
Mus.B., Eastman School of Music, University of Rochester.

DON L. LARRABEE (1945) Attorney at Law *Business Law*
A.B., Allegheny College; Wharton Graduate School of the University of Pennsylvania and Law School of the University of Pennsylvania.

BEULAH NEWMAN McIVER *Voice*
Mus.B., Westminster Choir College.

GENERAL INFORMATION

THE COLLEGE

LYCOMING offers college courses for young men and women. It provides facilities for both day and boarding students, offering terminal courses in the Junior College Division and a four-year program in the Liberal Arts College leading to the Bachelor of Arts and Bachelor of Science degrees.

LOCATION

It is located at Williamsport, Pennsylvania, "The Queen City of the West Branch of the Susquehanna River," on the famed Susquehanna Trail, midway between Buffalo, New York, and Washington, D. C. Williamsport is famed for its picturesque scenery, its beautiful homes, and the culture and kindness of its people. The Pennsylvania and Reading Railroads, with their fast trains, and the Lakes-to-Sea and the Greyhound Busses put it within two hours' reach of Harrisburg, four and a half hours of Philadelphia, and six hours of Pittsburgh and New York. Capital and TWA Airlines place the time at forty minutes to Harrisburg, an hour and ten minutes to Philadelphia and Pittsburgh, two hours to New York, and about three hours to Boston.

HISTORY

Lycoming College has a long and varied history of service in the educational field. Founded in 1812, it was known for a period of thirty-six years as Williamsport Academy. In 1848 a group of men of Williamsport, under the leadership of Reverend Benjamin H. Crever, hearing that the Academy was about to be discontinued, proposed to accept the school and conduct it as a Methodist educational institution. Their offer was accepted and, completely reorganized with a new president and faculty, it opened September,

1848, as Dickinson Seminary, under the patronage of the old Baltimore Conference. It was acquired in 1869 and is still owned by the Preachers' Aid Society of the Central Pennsylvania Conference of the Methodist Church, and is regularly chartered under the laws of the state of Pennsylvania. It is not a money-making institution. All of its earnings as well as the generous gifts of its friends have been spent for maintenance and improvements. During a large part of its history, its curriculum covered the work now included in a high school course and at the same time included about two years of college work. By its original charter it was empowered to grant degrees, which authority was for a time exercised. In 1912 it began to confine itself to the college preparatory field and continued in that field until 1929. From that date until June, 1947, it operated as a preparatory school and junior college. The increased college attendance following the war, and trends in higher education in recent years clearly indicated a need for more four year colleges. After giving the matter careful consideration, the Board of Directors, at a special meeting January, 1947, authorized and set in motion plans to adopt a four year college program. In 1948, after approval of the Pennsylvania Department of Education, the charter was amended to include the power to grant Baccalaureate Degrees. Also the name of the institution was officially changed to Lycoming College. Lycoming is an Indian name closely associated with this region from early colonial days. The college preparatory department was discontinued June, 1948, and this catalogue contains announcements of all four years of work on the college level.

The campus is located near the center of the city on a slight eminence, which causes the school to be affectionately referred to as "The School Upon the Hilltop." Stately elms, maples, and trees of other varieties add beauty and dignity to the campus and form an attractive setting for the imposing buildings. To the south and across the Susquehanna, within twenty minutes' walk, is the beautiful Bald Eagle Range of the Allegheny Mountains, affording a view of perennial charm. To the north are the Grampian Hills. In fact, Williamsport, "beautiful for location," is seldom surpassed or equaled in its wealth of beautiful scenery.

AIM

It is the aim of Lycoming College to provide to qualified students education of such a nature as to supply the background for a more intelligent understanding and appreciation of the economic, political, historical, social, scientific, esthetic and religious aspects of life. In addition to the broad, general education, courses preparatory to specialization in the professions of law, medicine, dentistry, engineering, etc., or courses preparatory to graduate work in some field of concentration are offered. Terminal education is available in Art, Laboratory Technology, Medical Secretarial, Music, and Secretarial Science.

BUILDINGS

OLD MAIN. The Main Building is an imposing structure of brick, occupying the central part of the campus. In this building are the administrative offices, class rooms, and dormitories for men. There are hardwood floors throughout.

BRADLEY HALL. Bradley Hall, a four story building, is constructed of red brick, and contains the Dramatic Studio, the Gray Memorial Library, and one floor of Men's Dormitories.

RICH HALL. Dedicated October 15, 1948, Lycoming's modern, brick, women's dormitory is of Georgian Colonial style and fireproof in construction. This beautiful building houses 120 young women. Each suite of two rooms has private bath facilities which are shared by four students. Lounges are conveniently located for entertaining guests and for small student meetings. Also located in the building are the Infirmary and Nurses' Quarters, game rooms, and the Women's Day Room. The building has been completely furnished with new and attractive furnishings.

EVELAND HALL. Eveland Hall is also of red pressed brick, and is a modern fire-proof building. The basement houses the heating plant. A modern chemistry laboratory and class rooms occupy the first floor. The second and third floors contain dormitories.

THE GYMNASIUM. Lycoming is fortunate in having a splendid modern gymnasium, which is a popular center of activities. The building is 110 feet by 88 feet, beautifully designed and of semi-fireproof construction.

The basement includes a modern swimming pool 20 by 60 feet, equipped with a sterilization and filtration plant. The pool is constructed of tile and is amply lighted, with windows of glass blocks, making a sunlit pool at nearly all hours of the day.

There are also two bowling alleys of latest design, and separate rooms and showers for both home and visiting teams. Provision for private dressing rooms and shower rooms for women is made.

The gymnasium floor proper is 90 by 65 feet with a stage at the easterly end so that the main floor can readily be converted into an auditorium if need be, suitable for recitals and even more pretentious productions.

ATHLETIC FIELD. Built partially on the site of the old athletic field, the new field runs north and south, beginning directly behind the gymnasium and dining hall, and extending to the terrace just off Washington Boulevard on the north. Ample room is provided for tennis courts and football field, with facilities for softball and other intramural sports.

New bleachers have been erected which accommodate 1,000 people. They have wooden seats on a steel and concrete foundation, with an attractive brick wall at the rear, surmounted with a wrought iron fence. Evergreens, rose of Sharon, and spiraea line the inside of the fence.

CLARKE MEMORIAL. This new chapel and dining hall, made possible by the bequest of Miss Martha B. Clarke of the class of 1862 as a memorial to her brothers and herself, is designed in the colonial style, and is of fireproof construction. The chapel proper, which has excellent acoustics, provides facilities for devotional services, assemblies, dramatic concerts and lectures. With the balcony, it is planned to seat six hundred people.

The dining hall, on the first floor, is arranged with separate entrances and with coat rooms and wash rooms for men and women. It opens on a terrace overlooking the campus and athletic field. Effort has been made to produce a comfortable, home-like room. Either table service or cafeteria service is possible.

The erection of this building fits into the plan of an attractive quadrangle. Other improvements extend the open campus to Washington Boulevard.

FINE ARTS. The buildings on the extreme northern portion of the campus on Washington Boulevard, facing the campus, provide a modern home for the President, and a well-equipped Fine Arts Building for music and art. The Art Studio takes the full northern sweep on the second floor of the Fine Arts Building. Also on that floor are a number of private practice studios, and conference rooms for members of the faculty. On the main floor of the building there are three large music studios and several smaller rooms for private piano practice. The interior walls are finished in light buff, and the floors in oak. There are eighteen rooms in the new building which are devoted entirely to Fine Arts.

MEMORIAL HALL. Memorial Hall was dedicated on November 1, 1947. It is a three-story building and has floor space of 8000 square feet. It contains class rooms, departmental offices, and the biology and physics laboratories. This building, erected through the cooperation of the college and the Federal Works Agency, is attractively faced with red brick.

THE ANNEX. To the south of Bradley Hall another class room building has been erected by the Federal Works Agency. Departmental offices are also located here.

THE DR. E. J. GRAY MEMORIAL LIBRARY

The library is playing an increasingly important part in any educational program today. The Dr. E. J. Gray Memorial Library, occupying two floors of Bradley Hall, is commodious, well-lighted



Men's Dormitory

and arranged for research and reflective reading. There are now more than 13,500 volumes to which new volumes are added each year. A very excellent list of reference works has been provided and a group of books for general reading has been added in order to stimulate the interest of the students in books not directly related to their special interests.

Currently the library has a subscription to one hundred and two periodicals, covering all subject fields offered by the college, and five newspapers, including one foreign language paper. Seven periodical indexing and bibliographical services are regularly received.

A full-time, professionally trained librarian is in charge of the library and is assisted by two assistant librarians and additional student help as needed. This staff is available to help in locating desired material, in the preparation of bibliographies, or for other forms of reference service.

In addition to the usual reading material, the library is building a collection of recordings for the use of various departments and of the student body. Included are not only musical records, but also a number of literary or historical records and albums. Special periods are set aside for those who are interested to listen to recorded programs in the library.

The James V. Brown Library is within two squares of the college campus, and is one of the finest Public Libraries in the state. Its books are carefully distributed over the several fields of Literature, Religion, Economics, Sociology, Natural Sciences and other liberal arts subjects. The reading rooms are ample and its large collection of books is freely open to all students of the college.

AUDIO-VISUAL SERVICES

Audio-visual aids in instruction are relatively new, but the idea is growing more important. Progressive educational institutions are not ignoring the potentialities of visual and auditory methods, and with this in view, Lycoming is promoting an active program to

incorporate audio-visual devices for more purposeful and effective instruction. Special audio-visual equipment available includes a sound, 16 mm., moving-picture projector, one two-by-two slide projector, one combination two-by-two slide and 35 mm. filmstrip projector, three combination radio and record machines, a wire recorder, and two public address systems.

The library is building a collection of films, filmstrips, and records, which will be used in connection with classes, special groups on the campus, and for the pleasure and relaxation of students.

A special room is equipped to carry on the audio-visual program and periods are designated for all groups and classes who desire to participate.

STUDENT LIFE

PROVISION FOR FRESHMEN

The college recognizes the need for giving the freshmen assistance in making desirable adjustments to the college situation. A special program has been prepared for the orientation of freshmen.

All freshmen are required to come to the college one week in advance of the upper-classmen. During this time various tests are given which will aid the college staff in advising the student in his choice of courses. During this period problems of freshmen adjustment are discussed and directions for study, the use of the library, and other instructional aids are given. Provision is also made for recreation and a wholesome social life.

RELIGIOUS TRADITION

While Lycoming College is a Methodist educational institution, it is non-sectarian. At least four religious denominations are represented on its Board of Directors. A check of the faculty and student body indicates membership in 15 different denominations including Protestant, Catholic, and Jewish. Each student is encouraged to be loyal to the church of his choice.

The College realizes the importance of making religion a living part of the educational experiences of the student. Therefore, a systematic study of the Bible is required (optional with non-Protestants), and all students are required to attend college chapel services. Students attend the Sunday morning services at churches in the city.

The John Wesley Club is composed of students preparing for the ministry or other forms of religious work. Through regular meetings and deputation teams, they gain valuable training and experience in religious work.

The Student Christian Association, membership open to all undergraduates on the campus, meets weekly at Rich Hall.

Speakers include many prominent civic leaders, faculty members, and national figures. This group has joint meetings with similar organizations on other college campuses.

Through the generosity of the late Honorable M. B. Rich, for eighteen years President of the Board of Directors, a Department of Religion has been established at the College, and the head of this department is also the college pastor. He gives a large portion of his time to promoting a helpful religious atmosphere at the institution and in aiding students to solve successfully personal problems which arise while they are on the campus.

CULTURAL INFLUENCES

Lycoming aims to develop in its students an easy familiarity with the best social forms and customs. Young men and women meet in the dining hall, at receptions and other social functions. These contacts, together with frequent talks by instructors, do much to develop poise and social ease. Persons of prominence are brought to the school for talks and lectures, and excellent talent is provided by community organizations which bring the best artistic talent to the city.

STUDENT GOVERNMENT

It is aimed to develop in each student a sense of loyalty and responsibility to good citizenship. To this end there is established a Student Government representing the entire student body with the purpose of promoting the general welfare of the college and to provide a more perfect understanding between students and administration.

Certain phases of dormitory life are supervised and regulated by a student dormitory government. In this way students are provided the experience of sharing the responsibilities which are the outgrowth of living closely with each other. The Dean of Women and the Dean of Men exercise an overall supervisory influence on dormitory life.

It is understood that students entering Lycoming do so with the intention of making an honest effort to do satisfactory work in every

respect. Where a student is not able to conform to the school program, the parents or guardians are asked to withdraw the student from the school.

STUDENT ACTIVITIES

CAMPUS GROUPS. In addition to the John Wesley Club, Student Christian Association, and the Student Government there are many and varied organizations on the campus which aim to provide students with an interesting and wholesome social life. These are organized and conducted by the students in cooperation with the faculty. Some of these are as follows: The International Relations Club, which is the campus focus for discussion of world affairs; The French Club, The Spanish Club, and The German Club, which supplement class work by aiding students to understand the folklore of the various peoples and to facilitate ease of conversation in the language; The Camera Club, which provides students opportunity for developing a lifelong hobby; The Dramatic Club, which affords opportunity for those interested in acting and directing plays; The Ski Club, which brings together a group of enthusiasts for winter sports; The Forensic Society organized for the purpose of enabling students to gain experience in debate.

COLLEGE PUBLICATIONS. There are three college publications: "The Lycoming Courier" is the official student paper, devoted to local interests of the student body, reporting current campus events; and "The Dart," college year book, published in June and presenting a record of student life during the current academic year. The staff of both publications is composed of students interested in gaining more knowledge and experience in some line of journalistic endeavor. The "Alumni Bulletin," issued six times a year, keeps the alumni posted on current happenings at the college.

MUSIC. The Music Department offers several organizations for students interested in music. A College Choir, Men's Glee Club, and Women's Glee Club are open to all students desiring to join. The Lycoming Singers, Women's Quartette, Men's Quartette, and an A Cappella Choir are formed of selected voices and represent the college at many events. A String Ensemble gives instrument

players an opportunity to enjoy the fellowship of good music together. In addition, are the College Band and Symphony Orchestra, which meet several times each week for practice and furnish the college with music for many entertainments, athletic events, and celebrations throughout the year.

FRATERNITIES. Four fraternities on the campus provide a means of bringing to men students the advantages of a fraternal organization. The social life of the college is carefully planned by both administrative and student government to be helpful to the individual student in his social world.

RECREATION AND HEALTH

INTERCOLLEGIATE SPORTS. The college offers an attractive program of intercollegiate athletics. Varsity teams represent the college in competition with other four year institutions in such sports as football, basketball, swimming, and tennis. Lycoming is a member of the National Association of Intercollegiate Basketball.

RECREATION. An extensive program of intramural athletics affords opportunity for every student not a member of a varsity team to participate in one or more sports. These are run in connection with the required physical education program. Basic instruction in game techniques is given in physical education class and the intramural program affords opportunity for individual and team competition. Some of these sports are tennis, swimming, basketball, handball, badminton, bowling, volleyball, softball, and table tennis for both women and men; rhythmical activities, field hockey and archery, for women; boxing, touch football, and water polo for men.

In addition to the athletic recreation program, various organizations on the campus, the lecture series, the Record Session, motion pictures, and numerous social affairs, offer programs of interest.

STUDENT INSURANCE. By a special group plan, our students are able to secure accident insurance covering medical and hospital expenses for injuries received on the campus. The limit of coverage for women is \$500.00 and for men \$250.00. All students are advised to carry this protection.

PHYSICAL EXAMINATION. A physical examination of all students is required. This examination is conducted by the student's own physician and a report made on a standard form supplied by the college. This report is presented on Registration Day.

INFIRMARY SERVICE. The infirmary fee, covered by the over-all activities fee, includes the following medical service: The college nurse holds infirmary hours each day, except Sunday, that the college dormitories are open, and is also available for first aid treatment and will call to the attention of the college physician any case demanding special treatment.

Such service, however, shall not be interpreted to include x-rays, surgery of more than minor nature, care of major accidents on or off campus, immunization for colds, examination for glasses, doctors' calls, cases of serious chronic disorder, or other extraordinary situations.

Each student is entitled to three days of infirmary service per school year, including routine nursing and ordinary medicines. There will be a charge of \$2.00 per day for each additional day or fraction thereof beyond the allotted days.

Special nursing service and special medicines and prescriptions will be at the expense of the student. Parents will be notified by the college when students are confined to the infirmary with serious illnesses.

RESIDENT STUDENT LIFE

Living quarters are provided on the campus for 140 women and 215 men. Efforts are made each year to keep the dormitories in repair so that they constitute comfortable and attractive homes for the students concerned.

Rooms at Lycoming are furnished as follows: Desk, bureau, chair, single bed, mattress, and pillow are provided. Students must bring their own bed linen, blankets, and study lamps with them.

The students will make arrangements for their own laundry service. A local laundry has a representative on campus for the convenience of all boarding students. It is recommended that the student bring a minimum of six sheets (single bed), three pillow cases, and two double blankets.

DISCIPLINE

The discipline of the college is firm, reasonable, and sympathetic. All students are considered responsible citizens and members of a Christian community. Any student who is antagonistic to the spirit and general purpose, or who fails to abide by the regulations set up by the college, may be asked to withdraw from the college at any time during the school year.

REGULATIONS

The college regulations, in addition to those published here, are furnished each student upon matriculation. Announcements during the year by college authorities may amend or supplement the catalogue regulations and are to be adhered to as such.

Students from a distance are required to reside in the dormitories. Permission for any exception to this rule must be obtained from the administration.

Money and valuables should be placed in the school safe; the college will not assume responsibility unless this is done.

No intoxicants or drinking of intoxicants is permitted.

Permission to maintain automobiles on the campus must be obtained from the administration.

No firearms are permitted on the campus.

CURRICULUM INFORMATION

APPLICATION PROCEDURE

Complete application forms for admission to Lycoming may be obtained from the Director of Admissions. Included with these are directions for making application.

A registration fee of \$10.00 is required with each application. This fee is refunded in case the application is rejected, and is returned to veterans of World War II entered under Public Law 346 or 16 at the time of the second payment period.

Applicants who are accepted will receive a statement evaluating their high school credits and granting proper classification. Those rejected will be notified.

REQUIREMENTS FOR ADMISSION

A candidate for admission must be of good moral character and show evidence of ability and preparation to pursue the program of his choice at Lycoming. The usual evidence of preparation is a certificate showing satisfactory completion of 15 units of high school work or its equivalent as follows:

The Liberal Arts						
College		English	History	Math.	Science	Elec.
A.B. and B.S. Degrees	3 (4 yrs.)	1	1 Alg.	1	8	
			1 Geom.			
The Junior College						
Division						
Liberal Arts	3 (4 yrs.)	1	1 Alg.	1	8	
			1 Geom.			
Med. Sec.	3 (4 yrs.)	1	1 Alg.	1	8	
			1 Geom.			
Lab. Tech.	3 (4 yrs.)	1	1 Alg.	1	8	
			1 Geom.			
Sec. Science	3 (4 yrs.)	1	0	0	11	
Art	3 (4 yrs.)	1	0	0	11	
*Music	3 (4 yrs.)	1	0	0	11	

* A letter of recommendation from the applicant's private teacher and/or High School Music Supervisor should accompany the application.

Applicants ranking in the upper three-fifths of their high school class or presenting a certificate showing all grades of college certificate value may be admitted without examination.

Candidates for admission who do not meet the above requirements for admission may be admitted by making a satisfactory score on an aptitude test.

THE JUNIOR COLLEGE DIVISION

While the addition of the final two years of liberal arts work now make possible the awarding of a Bachelor of Arts Degree and Bachelor of Science Degree, students are still able to enroll at Lycoming College in the Junior College Division.

Offerings in this Division are: Two-year terminal courses in Secretarial Science, Medical Secretarial, Art and Music; and a three-year terminal course in Laboratory Technology. Upon satisfactory completion of these courses a certificate is awarded at the graduation exercises. Also, students may register for liberal arts work for transfer to another institution for the purpose either of obtaining advanced credit on an undergraduate level, or for fulfilling certain undergraduate requirements for entrance to a professional field.

Students desiring to enter the Junior College Division must make their plans known at the time application for admittance is made. While guidance will be available upon request for those who wish to transfer to other institutions, it will be the sole responsibility of the student to make certain that he meets the entrance requirements of that institution.

During the past nineteen years students graduating in the Junior College have been accepted with full credit at the better colleges and universities throughout the United States. However, because of the crowded conditions in institutions of higher learning, it is not possible for Lycoming to assure those in the Junior College Division that they can be accepted by another institution at any stage of their undergraduate preparation.

GUIDANCE

An advantage of a small college is the rich experience gained by students and faculty knowing each other. In addition to this valuable personal relationship, which offers opportunity for students to discuss various problems with their instructors, Lycoming is proud to announce that a well-rounded guidance program is available to its students. Under the direction of the Dean of the college, this program includes areas as represented by the College Pastor, Dean of Men and Dean of Women, and the Guidance Director with his group of faculty advisers. The program begins prior to the student's entrance to a course of study when there is a personal interview between the Director of Admissions and the candidate for admission. These interviews are sufficient in length to obtain a picture of the student, his background, and plans for the future. When the student enters the college as a Freshman, he is given the opportunity to take aptitude and psychological examinations. On the basis of preparatory or high school records, aptitude and psychological examination scores, and various interviews, an evaluation of the student can be formed.

Additional information is added to this as the student progresses through his college life. His welfare is the sole purpose of the guidance program, and it stands ready to serve him whether it be counseling to aid him make an intelligent decision regarding his vocational choice, or to solve some important personal problem.

PLACEMENT SERVICE

A placement service for the students and alumni of the college was begun in September, 1948.

The service is designed to aid the graduate in obtaining positions which make use of college training.

The placement office has made many valuable contacts with employers throughout the United States. Locally, the service has been well accepted.

The service is designed as the final step in the total college guidance program. The office acts as the intermediary between employer and graduate in all fields of college activity.

PROVISION FOR VETERANS

Lycoming is fully approved for the educational program for Veterans under Federal Public Laws 346 and 16.

ADVANCED STANDING

A student may be admitted to Lycoming with advanced standing provided he has earned satisfactory credit at an approved college. Application for advanced standing must be supported by an honorable dismissal and an official transcript of the college previously attended.

Some academic credit may be allowed for training courses and educational experiences in the armed services according to the general pattern recommended by "A Guide to the Evaluation of Educational Experiences in the Armed Services" issued by the American Council on Education, provided such courses or experiences are appropriately related to a college of liberal arts.

CLASSIFICATION OF STUDENTS

Freshman: See requirements for admission.

Sophomore: Not less than 24 semester hours and 21 quality points.

Junior: Not less than 54 semester hours and 48 quality points.

Senior: Not less than 86 semester hours and 90 quality points, and a reasonable chance of completing all requirements for graduation.

Unclassified: Students who do not wish to enter upon a regular course of study may pursue studies offered for which their previous training, in the opinion of the college, fits them. Only a limited number of unclassified students are accepted. Such students are not admitted to candidacy for a degree.

GRADING SYSTEM

A credit hour is defined as one hour of classroom work, or the equivalent, each week during a full term of sixteen weeks. Ordinarily two hours of laboratory work are rated as one credit hour.

The letter system of grading with the corresponding quality points is used. "A" indicates work of the highest excellence, show-

ing a superior grasp of the content, as well as independent and creative thinking in the subject, and represents a numerical grade between 90 and 100. "B" signifies better than average achievement wherein the student reveals insight and ability, and represents a numerical grade between 80 and 89. "C" is given for satisfactory achievement on the college level when the work of the course has been conscientious and has shown no considerable deficiency in either quality or quantity, and represents a numerical grade between 70 and 79. "D" indicates that the work of the course has met the minimum essentials, and represents a numerical grade of 60 to 69. "F" is failure and the work of the course must be satisfactorily repeated before any credit can be obtained, and represents numerical grades below 60.

Scholastic rank is determined on the quality point system where "A" counts 3 quality points per credit hour, "B" counts 2 points per hour, "C" counts 1 point per hour, "D" carries no point value, and "F" counts -1 point per hour.

NORMAL STUDENT LOAD

The normal load for students is from twelve to fifteen hours of academic work and one hour of physical education per semester.

OVER LOAD

Students who wish to carry in excess of the normal load are charged \$12.50 per credit hour. A schedule of more than seventeen hours of academic work may be taken if the student has an average of 2.0 for all previous work and obtains written permission from the Dean of the College.

PROBATION

Students whose grade-point average falls between .00 and .5 are placed on probation. Students on probation must maintain an average of 1.0 in fifteen hours with fifteen quality points for the semester, to be removed from probation.

DISMISSAL

Freshmen who fail to maintain an average of at least .00 the first semester will be asked to withdraw from the college. The

college also reserves the right to deny admission to any applicant or to dismiss any student at any time if the administration considers such action to be for the best interests of the student or the college. Students dismissed for academic reasons may request reinstatement after one semester.

ATTENDANCE

The program at Lycoming is built on the assumption that there is value in class and chapel attendance for all students. Therefore, all students are expected to attend all classes and chapel exercises.

Specific regulations as to permissible absences and penalties for excessive absences are announced from time to time. Responsibility for learning and complying with these regulations rests with the student.

GRADUATION

Upon graduation a Bachelor of Arts or Bachelor of Science Degree is awarded. This is in accord with the objective of providing a background of knowledge in the humanities, social studies, and sciences. It is assumed that an intelligent understanding of the past enables one better to appreciate the present and to plan more ably for the future. Accordingly, certain required courses are listed for these areas. In addition a student should have selected, by the end of his sophomore year, some field of concentration in which he wishes to specialize.

The Arts and Science program is basic to the professions of Medicine, Theology, Teaching, Law, Dentistry, and is desirable in Engineering Science, Pharmacy, Nursing, and Veterinary. The requirements for graduation at Lycoming permit these pre-requisite subjects.

Students satisfactorily completing terminal courses in Secretarial Science, Medical Secretary, and Laboratory Technician, will be graduated, but no degree is awarded.

GRADUATION REQUIREMENTS

1. Courses listed in the groups below are required for a Bachelor of Arts degree.

Group I: Humanities

English Composition	6 hours
Literature	6 hours
Foreign Language	6 hours or 14 hours
Philosophy and Religion	6 hours
Appreciation of Art	3 hours
Appreciation of Music	3 hours

Group II: The Social Studies

European History	6 hours
American History	6 hours
Psychology	3 hours
Elective	3 hours

Group III: Science

The Physical Sciences and	3 hours
The Biological Sciences, or	3 hours
A Laboratory Science	8 hours

Group IV: Physical Education

Electives: Sufficient to total 128 hours

2. Selection of a major of at least 24 hours from one of the following fields: Biology, chemistry, english, history, language, mathematics, science, and social science.

a. A major in Science consists of (1) first level courses in Chemistry (101-102), Mathematics (101-102) and Physics (101-102), (2) two years beyond the first level courses in either Mathematics or Physics.

b. A major in Social Science consists of (1) 18 hours in one field (beyond the 100 level in the case of History) and (2) 18 hours in at least three of the related Social Science fields.

3. For the Bachelor of Science degree in Business Administration no foreign language is required, and Political Science is substituted for six hours of history required in paragraph one. Majors are granted in the fields of Accounting, Banking and Finance, Retail Distribution, and Economics.

4. At least 120 academic quality points (excluding physical education) on the basis of:

A = 3 points per credit hour	C = 1 point per credit hour
B = 2 points per credit hour	D = 0 points per credit hour

5. The work of the final year is to be taken at this college.

6. Students admitted with advanced standing must satisfy all requirements for graduation.

SPECIAL PROGRAMS FOR STUDY

Lycoming is anxious to aid her students to prepare for living a normal, well-adjusted life, as well as preparing them for a variety of careers. The growing belief in professional schools that the best preliminary training is a broad cultural education has added new emphasis to the type of program now offered by Lycoming. This program offers a general education, conceded as necessary to a well-rounded individual living in today's ever smaller world, and yet is equipped to add more specialized courses so that a student looking forward to a particular career may specialize in the field of his vocational interest.

Choosing one's life work is an important and serious matter. In this selection, Lycoming, as a liberal arts college, plays an important role. While some students enter college with a well-defined aim, many others are far from settled in their minds as to their own particular vocation. The first two years of a liberal arts course give the student a glimpse into many fields and thus by the start of his third or Junior year, the student with this background and with the advice of the faculty, usually is well prepared to indicate his field of specialization.

The following pages contain some of the programs offered at Lycoming. Others are available upon sufficient demand. It is recommended, therefore, that the student discuss his proposed plan with the Director of Admissions, or, if a returning student, with the Dean of the College.

STANDARD CURRICULUM FOR A.B. DEGREE

FRESHMAN YEAR		SOPHOMORE YEAR	
English 101-102	6 hours	Literature 201-202 or 203-204	6 hours
History 101-102	6 hours	History 201-202	6 hours
Religion	3 hours	Physical Education	2 hours
Physical Education	2 hours	Electives	18 hours
Electives	15 hours		
Total		Total	32 hours

JUNIOR AND SENIOR YEARS

Degree requirements from Groups I, II, III, IV, V, and electives for the remainder of the 128 hours which is the required total.



The Gymnasium



Rich Hall

BUSINESS ADMINISTRATION

The Business Administration Course contains highly practical courses in the field of Business and Economics. In addition, the elements of a broad, cultural background valuable in preparation for positions of an administrative and executive nature, are retained.

STANDARD CURRICULUM FOR THE B.S. DEGREE IN ECONOMICS AND BUSINESS ADMINISTRATION

FRESHMAN

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
History or Religion 102	3	Religion 102 or History	3
Accounting 101	3	Accounting 102	3
Prin. of Bus. 103	3	Am. Ec. History 104	3
Comm. Algebra 110	3	Intro. to Statistics 111	3
Phys. Ed.	1	Phys. Ed.	1
	16		16

SOPHOMORE

English 201 or 203	3	English 202 or 204	3
Princ. of Econ. 201	3	Econ. Problems 202	3
Ec. Geography 301	3	Ec. Geography 302	3
Psychology 201	3	*Electives	6
Elective	3	Phys. Ed.	1
Phys. Ed.	1		16
	16		

JUNIOR

Political Sc. 201	3	Political Sc. 202	3
Science 101	3	Science 102	3
Business Law 302	4	Business Law 303	4
Electives	6	Electives	6
Phys. Ed.	1	Phys. Ed.	1
	17		17

SENIOR

History or Philos. 301	3	Philos. 301 or History	3
Music Apprec. 301	3	Art Apprec. 301	3
Electives	9	Electives	9
Phys. Ed.	1	Phys. Ed.	1
	16		16

Majors in Retail Distribution elect Speech 101.

Majors will be granted in the fields of Accounting, Banking and Finance, Retail Distribution and Economics upon the completion of 24 hours in elective courses listed below. For those persons not desiring any particular major 24 hours must be elected in the field of Economics and/or Business Administration.

1. *Majors in Accounting—24 hours*

Sophomore year—elect Accounting 215 and 216.
 Junior year—elect Accounting 309, 309A and 310.
 Senior year—elect Accounting 409, 409A and 410.

2. *Majors in Banking and Finance—24 hours*

Sophomore year—elect Money and Banking 206 and 207.
 Junior year—elect Credits and Collections 304, Organ. and Finance Management 307 and Real Estate 401.
 Senior year—elect Investment 308, Public Finance 405, and Bank Policies and Administration 406.

3. *Majors in Retail Distribution—24 hours*

Junior year—elect Store Operation 315 and 316, Msde. Information 317 and 318, Retail Sales 319 and Personnel Mgmt. 320.
 Senior year—elect Buying Methods 415 and 416, Fashion 417, Advertising 418, Display 419, Publicity 420.

4. *Majors in Economics—24 hours*

Junior year—elect Labor Problems 303, Labor Legislation 303A, Consumer Economics 304 and Transportation 402.
 Senior year—elect History of Economic Thought 403, Adv. Economics 404, Principle of Public Utilities 406, Public Finance 405.

PRE-DENTISTRY

The American Council on Dental Education has fixed a minimum of two full years of college work as a requirement for entrance to dental schools. However, a four-year course is recommended and the trend toward this has been very rapid following World War II. A suggested program is listed below:

FRESHMAN YEAR		Hrs.	SOPHOMORE YEAR		Hrs.
English 101-102	6		Literature 201-202 or 203-204	6	
Religion 102	3		Chemistry 202-203	8	
Chemistry 101-102	10		Biology 101-102	8	
Mathematics	6		History 201-202	6	
Foreign Language	6 or 8		Foreign Language or Elective	6	
Physical Education	2		Physical Education	2	
Total		33-35	Total		36
JUNIOR YEAR		Hrs.	SENIOR YEAR		Hrs.
Chemistry 301-302	8		Physics 101-102	10	
Biology 201-202	8		Appreciation of Art	3	
Psychology 201	3		Philosophy 301	3	
Appreciation of Music 301	3		Biology 301	4	
Economics 201	3		Electives	10	
History 101-102	6		Physical Education	2	
Physical Education	2		Total		32
Total		33			

PRE-LAW

Many law schools are at present requiring the Bachelor of Arts Degree for admission. Training in law is not only basic to the practice of law itself, but also makes possible many other forms of public service. A suggested program is listed below:

FRESHMAN YEAR		Hrs.	SOPHOMORE YEAR		Hrs.
English 101-102	6		Literature 201-202 or 203-204	6	
Science 101-102	6		History 201-202	6	
History 101-102	6		Psychology 201	3	
Foreign Language	6 or 8		Philosophy 202	3	
Speech	3		Foreign Language or Elective	6	
Religion 102	3		Political Science (Govt.)	6	
Physical Education	2		Physical Education	2	
Total		32 or 34	Total		32
JUNIOR YEAR		Hrs.	SENIOR YEAR		Hrs.
History 301-302	6		History	6	
Economics 101-102	6		Economics 202	3	
Sociology 201-202	6		Appreciation of Art 301	3	
Political Science 301-302	6		Political Science 303-304	6	
Appreciation of Music 301	3		Electives	12	
Elective	3		Physical Education	2	
Physical Education	2		Total		32
Total		32	Total		32

PRE-MEDICINE

The modern physician or surgeon is no longer one who has studied merely medicine. He is a man with a broad cultural training, capable of treating more than physical ailments. Therefore, medical authorities are recommending a full four years of a liberal arts program, and requiring certain specific subjects in preparation for medical school. A suggested program is listed below:

THE FOUR-YEAR COURSE

FRESHMAN YEAR		Hrs.	SOPHOMORE YEAR		Hrs.
English 101-102	6		Literature 201-202 or 203-204	6	
Religion 102	3		Chemistry 202-203	8	
Chemistry 101-102	10		Biology 101-102	8	
Mathematics 101-102	6		History 101-102	6	
Foreign Language	6 or 8		Foreign Language or Elective	6	
Physical Education	2		Physical Education	2	
Total		36	Total		36
JUNIOR YEAR		Hrs.	SENIOR YEAR		Hrs.
Chemistry 301-302	8		Physics 101-102 (Gen.)	10	
Biology 201-202	6		Biology 401	4	
Economics 201	3		Biology 302	4	
Psychology 201	3		Philosophy	3	
History 101-102	6		Appreciation of Art 301	3	
Appreciation of Music	3		Elective	6	
Sociology 201	3		Physical Education	2	
Physical Education	2		Total		32
Total		34	Total		32

ART

The art course is designed primarily to give the best possible foundation for further study in any of the specialized fields of art; to give thorough training in artistic creation; and to guide in developing the power of discrimination in general aesthetic appreciation.

The department reserves the right to retain representative examples of student work for purposes of exhibition. This is an acknowledgement of superior ability and assists the department in maintaining a high standard in its classes.

TWO-YEAR COURSE

FRESHMAN YEAR	<i>Hrs.</i>	SOPHOMORE YEAR	<i>Hrs.</i>
Art 103-104—Cast	4	Art 301—Appreciation	3
Art 105-106—Design	6	Art 203—Cast II	1
Art 107-108—Still Life	4	Art 205-206—Design	6
Art 109-110—Sketch	2	Art 207-208—Still Life	4
Art 111-112—Lettering	4	Art 209-210—Sketch	2
Art 113-114—Perspective	2	Art 211-212—Lettering	4
Art 115-116—Water Color	2	Art 215-216—Water Color	2
English Composition 101-102	6	Art 117-118—Oil	2
Physical Education	2	Religion 102	3
—	—	Academic Elective	3
Total	32	Physical Education	2
		Total	32

PRE-ENGINEERING

This course is designed to give the student basic pre-professional courses in the field of engineering. The course recommended below is for all engineering students except chemical engineers. Chemical engineers will consult with the Director of Admissions or the Dean.

TWO-YEAR COURSE

FRESHMAN YEAR	<i>Hrs.</i>	SOPHOMORE YEAR	<i>Hrs.</i>
English 101-102	6	Physics 102	5
Chemistry 11-12	6	Physics 201	3
Physics 101	5	Mathematics 202-301	8
Mathematics 108-201	9	Economics 201	3
Drawing 101-103	6	Speech	3
Religion 102	3	Literature 201 or 203	3
Physical Education	2	History 202	3
—	—	Elective	3
Total	37	Physical Education	2
		Total	33

LABORATORY TECHNOLOGY

It is the aim of this course to supply an academic background of the basic science courses and then a year of practical work in the field. This

course leads to a profession which is offering increasing opportunities, more especially in medical and hospital laboratories.

FRESHMAN YEAR	Hrs.	SOPHOMORE YEAR	Hrs.
English 101-102	6	English 201-202	6
Chemistry 101-102	10	Chemistry 205	4
Biology 101-102	8	Chemistry 301-302	8
Religion	3	Biology 201	4
Electives	3	Electives	8
Physical Education	2	Physical Education	2
Total	32	Total	32

JUNIOR YEAR

Internship at an approved Hospital.

Electives may be chosen from any college department, but the following courses are recommended: Qualitative Analysis, Physics, Mathematics, History, Economics, Psychology, Sociology, etc.

Upon completion of the laboratory work at the hospital, the student is eligible for The Registry of Medical Technologists of The American Society of Clinical Pathologists.

SECRETARIAL SCIENCE

Lycoming offers a two-year course in Secretarial Science. This course provides students with the opportunity to develop office skills required for secretarial work.

FRESHMAN YEAR	Hrs.	SOPHOMORE YEAR	Hrs.
English 101-102	6	Business Correspondence 205	3
Shorthand 105-106	6	Shorthand 210-211	6
Typewriting 107-108	6	Typewriting 212-213	6
Bookkeeping 116	3	Business Law 302-303	8
Economics 201-202	6	Office Practice 222	3
Religion	3	Electives	6
Physical Education	2	Physical Education	2
Total	32	Total	34

MEDICAL SECRETARIAL

The Medical Secretarial Course offers students a basic science background in addition to secretarial skills. This course is especially desirable for those preparing for Medical or Dental Secretarial positions.

FRESHMAN YEAR	Hrs.	SOPHOMORE YEAR	Hrs.
English 101-102	6	Biology 203-204	6
Biology 101-102	8	Psychology 201	3
Shorthand 105-106	6	Sociology 201	3
Typewriting 107-108	6	Shorthand 210-214	6
Chemistry 103	3	Typewriting 212-213	6
Biology 106	3	Business Correspondence 205	3
Physical Education	2	Bookkeeping 116	3
Total	34	Religion	3
		Physical Education	2
		Total	35

MUSIC

The Music Course is a two-year course open to those who are regularly enrolled at Lycoming College. Other students attending Lycoming, but who are not registered in the Music Course, may enroll for music courses with the consent of the Dean of the College and the Department Chairman. It is possible to obtain credit toward degrees granted by the college for certain of these courses taken as electives. Permission to do this, however, must be obtained from the Dean of the College in writing and filed with the Registrar.

Musical excellence in both the fields of fine technical musicianship and artistic performance is sought in every branch of musical work at Lycoming. Special attention is called to the advantages of the thorough-going fundamental training afforded students who desire to matriculate to a regular professional school of music. Class and public recitals are held frequently to afford students the opportunity to achieve poise in performance. Instrumental and vocal ensemble work hold an important place in the curriculum, and are therefore required. Class sessions and private lessons are taught in conformity to the college calendar and absences are dealt with in accordance with the college policy.

TWO YEAR COURSE

FRESHMAN YEAR		SOPHOMORE YEAR	
	<i>Hrs.</i>		<i>Hrs.</i>
Music 101-102—Sight Singing..	4	Music 201—Sight Singing	2
Music 103-104—Dictation	4	Music 203—Dictation	2
Music 105-106—Harmony	6	Music 205-206—Harmony	6
Music 107-108—Applied Music	3	Music 207-208—Applied Music	3
Music 109-110—Ensemble	1	Music 209-210—Ensemble	1
English 101-102—Composition	6	English 201-202—Literature	6
Religion 102	3	Social Studies—Elective	3
Academic Elective	6	Music 211-212—History of	
(French or German for		Music	6
Voice Majors).		Music 213—Stringed Instru-	
Gym	2	ment Class	1
		or	
	35	Music 217—Vocal Methods	
		Class	1
		or	
		Music 215—Piano Sight	
		Playing	1
		Gym	2
			32

COURSES OF INSTRUCTION

The courses of instruction are arranged in four divisions as shown below:

DIVISIONS

GROUP I. HUMANITIES.

Art, English, French, German, Music, Philosophy, Religion, Spanish, Speech.

GROUP II. SOCIAL STUDIES.

Economics, History, Political Science, Psychology, Sociology.

GROUP III. SCIENCE.

Biology, Chemistry, Drawing, Mathematics, Physics, Science.

GROUP IV. BUSINESS ADMINISTRATION.

Business Administration, Economics, Secretarial Science.

GROUP V. PHYSICAL EDUCATION.

In a detailed description of the courses that follow, the courses of instruction are listed alphabetically by subject matter for the convenience of the reader.

Courses numbered in the one hundreds are commonly first year subjects; those in the two hundreds are second year subjects; the three hundreds are third year of Junior subjects, and the four hundreds are fourth year of Senior subjects.

The college reserves the right to withdraw any course for which there is insufficient enrollment.

ART

103-104. CAST I. Study of form as revealed by light and shade, and study of surfaces as affected by relative size, shape, and position of individual planes, giving students an understanding of third dimension similar to that gained by sculptor.

Two hours credit per semester.

105-106. DESIGN I. Deals with organization of line, form, and tone to produce two-dimensional and three-dimensional design in which volume and space as well as flat patterns are accounted fundamentals.

Three hours credit per semester.

107-108. STILL LIFE I. Study of form and color. Invaluable training for advanced work in painting.

Two hours credit per semester.

109-110. SKETCH I. Practice in drawing in charcoal, pencil, and color, from costumed model.

One hour credit per semester.

111-112. LETTERING I. Study of letter forms and practice in the execution of freehand pen and brush letters of the Classic, Roman, Gothic, and Italic type. This is combined with study of good spacing and layout with special stress on suitability of type of letter to content of material.

Two hours credit per semester.

113-114. PERSPECTIVE. Principles of perspective with their application to freehand drawing of objects and interiors.

One hour credit per semester.

115-116. WATER COLOR I. Devoted to acquisition of skill in water color painting.

One hour credit per semester.

117-118. OIL I. Concerned with mastery of color, techniques, and construction.

One hour credit per semester.

203. CAST II. A continuation of Cast I.

One hour credit per semester.

205-206. DESIGN II. Advanced design, with emphasis on practical application such as textiles, posters, etc.

Prerequisite, Art 105-106.

Three hours credit per semester.

207-208. STILL LIFE II. Continuation of Still Life I.

Prerequisite, Art 107-108.

Two hours credit per semester.

209-210. SKETCH II. Continuation of Sketch I.

Prerequisites, Art 109-110 and Art 103-104.

One hour credit per semester.

211-212. LETTERING II. Continuation of Lettering I.

Prerequisite, Art 111-112.

Two hours credit per semester.

215-216. WATER COLOR II. Continuation of Water Color I.

Prerequisite, Art 115-116.

One hour credit per semester.

301. HISTORY AND APPRECIATION OF ART. A study and analysis of the architecture, sculpture, painting, and minor arts produced from pre-historic times to the present day.

Three hours of credit.

BIOLOGY

The courses are intended to acquaint the student with the living world around him; to demonstrate scientific methods of approach to problem solutions; to cultivate an attitude of inquiry and research; to develop laboratory skill in various types of work in biology; and to give the basic knowledge required by certain professions such as Medicine, Dentistry, etc. 24 hours of biology are required for a major in this field. 18 hours required for a minor.

101-102. GENERAL BIOLOGY. An introduction to the principles of Biology, including the function of protoplasm and the cell. A systematic consideration of characteristic types of plants and animals, which is fundamentally a beginners' course in general biology; one semester of botany (101) and one semester of zoology (102). Two hours of lecture and recitation and two, two-hour laboratory periods per week each semester.

Four hours of credit each semester.

103. MICROBIOLOGY. Emphasizes the history and pathological significance of bacteria, protozoa, and higher parasites. Laboratory exercises deal mainly with elementary bacteriological techniques. Three hours of lecture and one, two-hour laboratory period.

Four hours of credit per semester.

104. **ANATOMY AND PHYSIOLOGY.** A basic knowledge of the skeletal, circulatory, and excretory systems of the human body. Knowledge of the digestive and nutritive processes will be stressed. Designed for Medical Secretarial Students. Lectures and demonstrations three hours per week.

Prerequisite, Biology 102.

Three hours of credit per semester.

201-202. **COMPARATIVE VERTEBRATE ANATOMY.** Deals with dissections of animals representing the more important vertebrate classes. Anatomy or structure will be correlated with function and development. The second semester a detailed dissection of the cat will be made. Two hours of lecture and recitation and two, two-hour laboratory periods a week.

Prerequisite, Biology 101-102.

Four hours of credit per semester.

203-204. **MEDICAL OFFICE TECHNIQUE.** Medical ethics, patient psychology, and personal conduct in a medical office are included. The Pathologist and Bacteriologist of Williamsport Hospital provide demonstrations of procedures, First Aid, sterilization and care of instruments, and the maintenance of adequate office records. Observations are made in the hospital of such procedure in actual operation. Designed for the Medical Secretarial Students. During the second semester, actual observation work in a doctor's office acquaints the student with this work.

Three hours of credit per semester.

301. **PHYSIOLOGY.** An introduction to the physiology of the human body. Two hours of lecture and four hours of laboratory.

Prerequisite, Biology 201-202.

Four hours of credit.

302. **VERTEBRATE EMBRYOLOGY.** The study of the development of an amphibian, the chick, and a mammal, from the time of fertilization of the egg until fully formed. Two, two-hour lectures and two, two-hour laboratory periods per week.

Prerequisite, Biology 101-102.

Four hours of credit per semester.

401. **HISTOLOGY.** The structure of the cell and its various modifications into tissue. Two hours of lecture and two, two-hour laboratory periods per week.

Prerequisite, Biology 101-102; 201-202.

Four hours of credit per semester.

402. **GENETICS.** A study of the principles of inheritance and their application to human biology and to the improvement of plants and animals. Three hours of lecture.

Prerequisite, Biology 101-102; Psychology 201.

Three hours of credit per semester.

BUSINESS ADMINISTRATION

101-102. ACCOUNTING. Assumes no knowledge of the subjects of bookkeeping or accounting on the part of the student. The course introduces the theory of balance sheets, problems of classification and interpretation of accounts; preparation of financial statements and accounting for single proprietorship, partnership and corporation. Manufacturing accounts are also presented. Lecture and recitation two hours; and one, two-hour laboratory period per week.

Three hours credit each semester.

103. PRINCIPLES OF BUSINESS. This course is designed to show the student how each division of a business enterprise is dependent upon other divisions, and how the various functions are unified and co-ordinated by competent management. It treats briefly but thoroughly such inter-related business functions as Financing, Management, Purchasing, Advertising, Cost Accounting, Selling, Merchandising and Labor Control, thus providing the student with an excellent survey of business functions before approaching specialized work. Three hours lecture per week.

Three hours credit.

104. AMERICAN ECONOMIC HISTORY. This course is designed to show the student the picture of American economy. Developments in the major sub-divisions of our economic life have been integrated by giving specific attention to measuring the adaptation and performance of the economy as a whole. Three hours lecture per week.

Three hours credit.

105-106. ELEMENTARY SHORTHAND. Study of the complete theory of Gregg shorthand by the functional method. Dictation and introduction to transcription. Class meets five times each week.

Three hours credit each semester.

107-108. ELEMENTARY TYPEWRITING. Complete mastery of the touch system of typewriting with emphasis upon attainment of accuracy and speed. Typing of artistic business letters and of other business forms is stressed. Class meets five times each week.

Three hours credit each semester.

110. COMMERCIAL ALGEBRA. Designed primarily for students in the curriculum of Business Administration. Review of elementary algebra, linear and quadratic functions, logarithms, progressions, permutations and combinations, and the elementary theory of probability. Commercial applications.

Three hours credit.

111. INTRODUCTION TO STATISTICAL ANALYSIS. An introduction to the elementary theory of statistical analysis with applications. Central tendency, dispersion, skewness, trends, correlation, and index numbers.

Prerequisite, Business 110.

Three hours credit.

114-115. BUSINESS COMPUTATIONS. The fundamentals as well as the more advanced aspects of business calculations. Short methods and checks, percentages, interest, depreciation, and other matters usually treated in commercial and business arithmetic.

Three hours credit each semester.

116. SECRETARIAL BOOKKEEPING. A course designed to give vocational training in the principles of bookkeeping to those secretarial students preparing for positions in the offices of attorneys, doctors, lawyers, and other professional people. The fundamental principles of accounting are developed and applied through the medium of practice sets.

Three hours credit.

117. SECRETARIAL BOOKKEEPING. The accrual basis of accounting as applied to mercantile and trading enterprises is developed in this course. Actual practice of the theory will be obtained through the medium of practice sets.

Three hours credit.

205. BUSINESS CORRESPONDENCE. A review of basic English grammar with emphasis upon its use in modern business letter writing. Actual practice in the writing of all major forms of business communications with special attention given to the preparation of application letters and data sheets.

Three hours credit.

206-207. MONEY AND BANKING. A study of the nature and functions of money; the quantity theory; paper and deposit currency; collection of checks and the thorough study of the bank statement. The Federal Reserve System and its monetary policies; and a study of other contemporary financial institutions.

Prerequisite, Business 102.

Three hours credit each semester.

210-211. ADVANCED SHORTHAND. Review of theory and the development of speed in the writing and transcribing of Gregg shorthand.

Special training to acquire technical vocabularies in the fields of advertising, agriculture, banking, insurance and law. Class meets five times each week.

Prerequisite, Business 105-106.

Three hours credit each semester.

212-213. **ADVANCED TYPEWRITING.** Development of speed typewriting with a high degree of accuracy. Instruction and practice in typing all business letters and forms, tabulations, manuscripts, legal documents, Mimeograph stencils and Ditto master sheets. Class meets five times each week.

Prerequisite, Business 107-108.

Three hours credit each semester.

214. **MEDICAL SHORTHAND.** The course is designed to develop a good working knowledge of medical terminology which is used in the physician's office, the hospital, the laboratory, and the insurance office. Class meets five times each week.

Prerequisite, Business 210.

Three hours credit.

215-216. **ACCOUNTING.** Carries the fundamentals of accounting presented in Principles of Accounting into the advanced field. It presents an intensive study of accounting statements with an emphasis upon corporation stock and bond accounts. Also descriptions of advanced and technical procedures found in general accounting with an emphasis on partnership, joint ventures, agency and branches and corporate combinations.

Prerequisite, Business 102.

Three hours credit each semester.

218. **ADVERTISING.** Copy, lay-out, and production techniques are studied. Newspaper, radio, periodical, and direct mail media are studied.

Two hours credit.

222. **OFFICE PRACTICE.** Designed to give the student actual practice in applying the knowledge and skills which are acquired in the theory course to problems which arise in typical office situations. Two hours a week of practical experience is secured in the faculty and administrative offices.

Three hours credit.

223. **OFFICE MACHINES.** Demonstration by the instructor of the proper techniques for operation of various business machines. Students obtain actual practice in the use of these machines in order to develop skill and speed. Class meets five times per week.

Three hours credit.

302-303. BUSINESS LAW. Lecture course on the fundamentals of the law relating to business transactions: Contracts, agency, negotiable instruments, partnerships, corporations, sales, personality security contracts, guaranty and suretyship, insurance, and real estate.

Four hours credit each semester.

304. CREDITS AND COLLECTIONS. The fundamentals of credit, investigation and analysis of risks, collection plans and policies. The organization of credit and collection agencies is studied.

Prerequisite, Business 102.

Three hours credit.

305. MARKETING. Retail, wholesale, and manufacturing trade channels; types of middlemen and functions; cooperative associations; marketing functions and policies of retailer, wholesaler and manufacturer; produce exchanges and other markets.

Prerequisite, six hours in Business Administration.

Three hours credit.

307. ORGANIZATION AND FINANCIAL MANAGEMENT OF BUSINESS UNITS. This course deals with the financing of business; the sources of capital and financial agencies such as note brokers, mortgage banks, investment bankers, commercial banks and commercial paper houses. An analysis of business promotions, reorganizations, mergers and consolidations and the manner in which they are financed.

Prerequisite, six hours in Business Administration.

Three hours credit.

308. INVESTMENTS. This course deals with the leading types of investments, tests, investment programs, financial reports, forecasting methods and agencies, stock exchanges, brokerage houses, methods of buying and selling securities, etc. Laboratory work and case studies.

Prerequisite, six hours in Accounting.

Three hours credit.

309-309A. COST ACCOUNTING. Methods of accounting for material, labor and factory overhead expenses consumed in manufacturing are introduced. Laboratory sets are used to illustrate job order and process costing. The recent development of the use of standard costs is introduced and illustrated through problems. The application of cost principles to distributive organizations and governmental units is also presented.

Prerequisite, Business 216.

Three hours credit.

310. TAX ACCOUNTING. A study of the theory and practice of Federal income, inheritance, gift and excise taxation. Actual cases, problems and forms are used to illustrate the law and to determine the taxpayer's liability to the Government.

Prerequisite, Business 102.

Three hours credit.

315-316. STORE OPERATION. All of the non-selling operations of the retail store are studied. This includes receiving, marketing, stock control, personnel, credit, complaints, delivery, and ware-housing.

Two hours credit each semester.

317-318. MERCHANDISE INFORMATION. The characteristics of textiles, ceramics, metals, and woods—their manufacture, design, and styling are studied.

Two hours credit each semester.

319. RETAIL SALES. Retail sales techniques are studied and practiced. The steps and other psychological factors of the sale are covered.

Two hours credit.

320. PERSONNEL MANAGEMENT. Employment, training, wage and incentive plans, employee benefits, and labor problems are discussed.

Two hours credit.

401. REAL ESTATE. The fundamentals of the real estate business including a study of titles, mortgages, leases, advertising, sale, purchase, development and management of real estate.

Prerequisite, six hours in Business Administration numbered above 200.

Three hours credit.

402-403. INSURANCE. The fundamentals of fire and marine insurance, and casualty insurance and fidelity and surety bonds.

Prerequisite, six hours in Business Administration numbered above 200.

Three hours credit each semester.

406. BANK POLICIES AND PROCEDURES. This course is designed to obtain a more specialized and practical knowledge of banking and related financial institutions. The course will emphasize actual organization and operation of the institution under study. The study will be supplemented with field trips and lectures in the classroom by various operating officers.

Prerequisite, Business 207.

Three hours credit.

409-409A. AUDITING. This course deals with the science of verifying, analyzing, and interpreting accounts and reports. An audit project is presented, solved and interpreted throughout the year.

Prerequisite, Business 309A.

Three hours credit each semester.

410. ACCOUNTING. This course is intended to meet the needs of those interested in professional accounting and in preparation for C. P. A. examinations. The problems presented throughout the course are taken from past C. P. A. and American Institute of Accountants examinations; and require in their solution a thorough knowledge of the subject matter of prerequisite courses taken.

Prerequisite, Business 409.

Three hours credit.

415-416. BUYING METHODS. The theory of buying low and selling high explained. Quality, quantity, and price controls are studied. Practice problems will be given.

Two hours credit each semester.

417. FASHION. Fashion cycles and trends are discussed. Fashion houses and designers are appraised. Fashion coordination.

Two hours credit.

419. DISPLAY. Getting attention through indoor and outdoor display. Display, design, and lay-out. Advanced display techniques.

Two hours credit.

420. PUBLICITY. Techniques of public relations. Relationship of publicity to sales promotion, fashion, and advertising, and store service are studied.

Two hours credit.

CHEMISTRY

Courses offered in this department are planned to meet the needs of several classes of students. They provide a thorough fundamental training in chemistry for those who (1) expect to enter medical, dental or other professional schools; (2) intend to do graduate work in this field; (3) plan to work in industrial laboratories as chemists (it should be realized that many laboratories now require advanced degrees); (4) wish a background of chemical facts and theories the better to understand the world of chemistry in which we live; or (5) are taking the special curricula in Medical Secretarial and Laboratory Technician Courses.

Students who wish to major in chemistry must be recommended by the Department Head and complete 24 hours of chemistry in addition to



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Dramatics*

General Chemistry. A minor field of concentration must be at least 18 hours including General Chemistry.

11. GENERAL CHEMISTRY. A brief introductory course presenting the fundamentals of inorganic chemistry, including a study of metal and non-metallic elements and their compounds. Two hours of lecture and one three-hour laboratory period per week.

Three hours credit.

12. GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS. A continuation of Chemistry 11, together with a brief course in Elementary Qualitative cation and anion analysis. Two hours of lecture and one three-hour laboratory period per week.

Three hours credit.

101-102. GENERAL CHEMISTRY. The course comprises a systematic study of the fundamental laws and theories of Chemistry in connection with the most important metallic and non-metallic elements and their compounds. Three hours of lecture and two two-hour laboratory periods per week.

Five hours credit each semester.

102A. GENERAL CHEMISTRY. Continuation of Chemistry 101; last half of semester covers elementary qualitative analysis. Three hours of lecture and two two-hour laboratory periods per week.

Five hours credit.

103. APPLIED CHEMISTRY. A brief survey of General Chemistry designed to prepare the student for an understanding of some of the many applications of Chemistry to the home, to nutrition, and to nursing. Three hours of lecture and one two-hour laboratory period per week.

Four hours credit.

201. QUALITATIVE ANALYSIS. An elementary course in the study of modern theories of solutions of electrolytes and their applications to cation and anion analysis. Two hours of lecture and two three-hour periods of laboratory per week.

Four hours credit.

202-203. QUANTITATIVE ANALYSIS. A presentation of the fundamental methods of elementary gravimetric and volumetric analysis together with practice in laboratory techniques and calculations of these methods. Two hours of lecture and two three-hour periods of laboratory per week.

Four hours credit each semester.

205. **QUANTITATIVE ANALYSIS.** A one semester course in simple quantitative analysis given more briefly than course 202-203. The course is designed chiefly for laboratory technician students. Three hours of lecture and two three-hour periods laboratory per week.

Four hours credit.

301-302. **ORGANIC CHEMISTRY.** A systematic study of the compounds of carbon including both aliphatic and aromatic series. The laboratory work introduces the student to simple fundamental methods of organic synthesis. Three hours of lecture; one four-hour period laboratory per week.

Four hours credit each semester.

401-402. **PHYSICAL CHEMISTRY.** A study of the fundamental principles of theoretical chemistry and their applications. The laboratory work includes techniques in physico-chemical measurements. Three hours of lecture; one four-hour period laboratory per week.

Four hours credit each semester.

DRAWING

101. **ENGINEERING DRAWING.** The principles of orthographic projection, axiometric drawing, and perspective through instrumental and free hand exercises. Vertical lettering, free hand sketches, use of drawing instruments, drafting room practice in conventional representations, practice in pencil and ink tracing, sections, theory of dimensioning, detail and assembly drawings and the reading of working drawings.

Three hours of credit.

103. **DESCRIPTIVE GEOMETRY.** Graphical solution of the more advanced space problems, both theoretical and practical and those encountered in engineering practice; practice in inclined free hand lettering. Problems involve the measurement of angles and distances and the generation of various surfaces, together with their sections, developments and intersections. In each project visualization and analysis leads to a logical and efficient solution.

Three hours of credit.

ECONOMICS

A major in Economics consists of satisfactorily completing requirements listed in Economics and Business Administration, Programs of Study.

201-202. **PRINCIPLES AND PROBLEMS OF ECONOMICS.** A study of the organization of the economic system and principles and problems that govern economic activity. Major topics covered include: Production, con-

sumption, exchange, distribution, risks of enterprise, banking, international trade, profits, rent, wages and social reforms. Three hours lecture per week.

Three hours credit each semester.

301-302. **ECONOMIC GEOGRAPHY.** A general survey course, showing the relation of physical environment to man's economic and cultural achievements. Emphasis is placed on the part the United States plays in the occupations of man, as contrasted to other producing areas of the world. Three hours lecture per week.

Three hours credit each semester.

303. **LABOR PROBLEMS.** A study of the American labor movement and the position of the worker in modern industrial society. Unemployment, wages, hours, child labor, woman in industry, the aged worker, unions and industrial peace are among the problems considered. Three hours lecture per week.

Prerequisite, six hours in Economics.

Three hours credit.

303A. **LABOR LEGISLATION.** A continuation of labor problems. Labor and the courts; federal regulation of capital-labor relations; the work of federal labor boards. Three hours lecture per week.

Prerequisite, Economics 303.

Three hours credit.

304. **CONSUMER ECONOMICS.** The place of the consumer in the economic system, forces back of consumer demand, governmental controls to aid the consumer, consumer economic education and private aids. Three hours lecture per week.

Prerequisite, six hours in Economics.

Three hours credit.

402. **TRANSPORTATION.** Problems and policies of railroads, busses, inland waterways, air and ocean transportation. The economic importance and significance of transportation are emphasized. Three hours lecture per week.

Prerequisite, six hours in Economics.

Three hours credit.

403. **HISTORY OF ECONOMIC THOUGHT.** An advanced course which deals with the origin, growth and significance of economic institutions with emphasis upon those of Europe and the United States. Three hours lecture per week.

Prerequisite, six hours in Economics numbered above 200.

Three hours credit.

404. **ADVANCED ECONOMICS.** Intended to coordinate the work of the special courses taken in the field of economics. A more comprehensive analysis of economic forces than were taken in the elementary economic courses. Three hours lecture per week.

Prerequisite, Economics 201 and 202 and six hours in Economics numbered above 200.

Three hours credit.

405. **PUBLIC FINANCE.** Public revenue and expenditures; preparation of budgets; public taxation; public borrowing. Three hours lecture per week.

Prerequisite, six hours in Business Administration numbered above 200 and Economics 201-202.

Three hours credit.

406. **PRINCIPLES OF PUBLIC UTILITIES.** Public utility characteristics, organization, management, financing, combination, and accounting; regulation, valuation, and rate-making are stressed. Three hours lecture per week.

Prerequisite, Economics 201-202.

Three hours credit.

ENGLISH

The department offers courses intended to furnish students with a comprehensive knowledge of the English language and literature as a preparation for graduate study; to provide background and some technical training for students preparing for professional writing or journalism; and to give a general background to all students in effective expression of their ideas in the English language.

A major in English consists of a minimum of 24 semester hours, excluding 101-102, in courses offered by the department; at least 6 hours must be in Literature and at least 12 hours in courses numbered 300 and above.

101-102. **COMPOSITION.** The two-fold purpose is to teach the student to read good prose of ordinary difficulty, both critically and appreciatively, and to organize his ideas in logical, connected discourse. Three hours of lecture per week.

Required of all freshmen.

Three hours credit per semester.

201-202. **SURVEY OF ENGLISH LITERATURE.** The aim of the course is to acquaint the student with the major movements and authors. Three hours of lecture per week.

Three hours credit per semester.

203-204. HISTORY OF AMERICAN LITERATURE. A survey of our literature as the reflection of an emergent national culture. Three hours of lecture per week.

Three hours credit per semester.

(Any two semesters' work in courses 201, 202, 203, and 204 will satisfy the requirement of 6 hours in literature).

301. ROMANTIC MOVEMENT. A study in the English Romantic Poets, Wordsworth to Keats.

Three hours credit.

303. VICTORIAN POETRY. The major poets from Tennyson to Housman.

Three hours credit.

304. VICTORIAN PROSE. Emphasis is placed on the attitudes of the leading essayists toward the many and varied problems of the Victorian Age.

Three hours credit.

311. SHAKESPEARE. A study of representative plays.

Three hours credit.

312. MILTON. The chief emphasis is on Paradise Lost.

Three hours credit.

313-314. HISTORY AND APPRECIATION OF THE DRAMA. A study of the drama from the Greek beginnings to the present day, as to types, subject matter, and technical structure.

Three hours credit per semester.

320. ADVANCED COMPOSITION. Consent of the instructor; limited to 15 students.

Three hours credit.

(At least junior standing and 9 hours in English above the freshman year required for 400 courses).

401-402. HISTORY OF THE ENGLISH NOVEL.

Three hours credit per semester.

404. AMERICAN REGIONAL FICTION.

Three hours credit.

410. HISTORY OF THE ENGLISH LANGUAGE. Some knowledge of Latin and one modern language will prove helpful.

Three hours credit.

412. EMERSON AND THOREAU.

Three hours credit.

415-416. STUDIES IN LITERATURE. Conferences, oral and written reports on selected topics designed to round out a student's knowledge of English and American Literature. Limited to qualified majors.

Three hours credit per semester.

FRENCH

A major in French consists of 24 semester hours beyond French 12.

A minor must be at least 18 semester hours.

11-12. BEGINNING FRENCH. Aims to teach the fundamentals of French grammar, together with a basic vocabulary, a correct pronunciation, and the ability to speak, read, and write elementary French. Four class hours per week.

Four hours credit per semester.

101-102. INTERMEDIATE FRENCH. Two-thirds of the time is devoted to reading and oral reproduction of modern French plays. Review of grammar, fuller understanding of the rules, and a further widening of the vocabulary, with special stress on idioms. Three class hours per week.

Prerequisite, French 11-12 or equivalent.

Three hours credit per semester.

201-202. THIRD-YEAR FRENCH. Reading and oral reproduction of nineteenth and twentieth century drama. Outside reading and written reports. One-third of the time is devoted to further study of grammar and of idioms, with special emphasis on writing in French. Three class hours per week.

Prerequisite, French 101-102 or equivalent.

Three hours credit per semester.

250-251. SURVEY OF FRENCH LITERATURE FROM THE MIDDLE AGES TO THE 20TH CENTURY. All representative writers from the Middle Ages on, with special emphasis on the 16th, 17th, 18th, and 19th centuries. Outside reading. Written and oral reports. Conducted entirely in French. Three class hours per week.

Prerequisite, French 201-202 or equivalent.

Three hours credit per semester.

301-302. ADVANCED FRENCH GRAMMAR. Advanced French Grammar and Cours de style. French sentence structure and modes of expres-

sion. Elimination of anglicisms in French. French from the inside: how the French mind works, and how the principal idioms came to be formed. Oral and written reports. Compositions. Conducted entirely in French. Three class hours per week.

Prerequisite, French 251 or equivalent.

Three hours credit per semester.

GERMAN

A major in German is constituted by a minimum of four years of college credit—24 semester hours—beyond elementary German.

A minor in German requires three years of college study of the language—18 semester hours.

11-12. BEGINNING GERMAN. The essentials of syntax presented through the direct-conversational-method. Songs, topics from students' everyday life discussed orally and through written exercises. Simple stories depicting literary and other cultural aspects. Drills in diction. Four class hours per week.

Four hours credit per semester.

101-102. INTERMEDIATE GERMAN. Reading and discussion of a few literary works. Review of syntax. Cultural material dealing with all phases of art, history and geography of German-speaking peoples. Given in foreign language. Three class hours per week.

Prerequisite, German 11-12, or equivalent.

Three hours credit per semester.

201-202. GERMAN LITERATURE. Selected reading and discussions from representative German authors and studies of literary movements therefrom. Oral and written reports. Given in German. Three class hours per week.

Three hours credit per semester.

203-204. SCIENTIFIC GERMAN. Open to students majoring in science. Selected readings in the various fields of science with an emphasis on the vocabulary of the fields of particular interest to the students comprising the class. Three class hours per week.

Prerequisite, two years of college German or equivalent.

Three hours each semester.

214-215. **DIE NOVELLE.** Readings and discussions of representative German short stories, with an emphasis on the more modern authors. Lectures and reports on comparative literary movements. Given in German. Three class hours per week.

Prerequisite, two years of college German or equivalent.

Three hours credit per semester.

251-252. **THE ROMANTIC SCHOOL.** Lectures on the romantic movement in the arts generally and in literature in particular. Studies of representative works. Given in German. Three class hours per week.

Prerequisite, a minimum of three years of college German or the equivalent.

Three hours credit per semester.

301-302. **ADVANCED GERMAN GRAMMAR.** Advanced grammar and conversation; training in literary style both oral and written. Three class hours per week.

Prerequisite, a major in German as defined hereafter.

Three hours credit per semester.

HISTORY

The History Department aims to prepare students for entering the fields of religious work, law, government service, and other professions. Through a study of civilizations of the past, the student is expected to gain a better perspective of our own political, economic, and social structure and to be more aware of the nature and needs of contemporary life.

A major in history consists of a minimum of 24 semester hours beyond History 101-102.

A minor in history requires a minimum of 18 semester hours.

101. **MODERN EUROPE TO 1815.** A survey of Europe from the sixteenth century to the Congress of Vienna, with special attention to selected cultural, political, and economic movements of the era. Three hours lecture per week.

Three hours credit.

102. **MODERN EUROPE FROM 1815 TO 1914.** A continuation of History 101 with emphasis upon the Liberal and Nationalist movements of the nineteenth century, and the background of World War I. Three hours lecture per week.

Three hours credit.

201. UNITED STATES AND PENNSYLVANIA HISTORY TO 1865. A course in the political, economic and social factors in the history of the United States and the Commonwealth, designed to meet the state requirements for a teaching certificate. Three hours lecture per week.

Three hours credit.

202. UNITED STATES AND PENNSYLVANIA HISTORY SINCE 1865. A continuation of History 201, with special attention to international relations, the problems of labor, education, and corporate control, and postwar activities. Three hours lecture per week.

Three hours credit.

203. ANCIENT CIVILIZATION. The origin and character of the civilization of antiquity, with special emphasis upon those elements of Greek and Roman culture which have been incorporated in the structure of western civilization. Three hours lecture per week.

Three hours credit.

204. HISTORY OF MEDIEVAL EUROPE. The development of European political, social, and religious institutions and cultural patterns from the collapse of the Roman Empire to 1500. Three hours lecture per week.

Three hours credit.

301. THE AMERICAN REVOLUTION (1492-1789). A concentrated course on the discovery of the Continent, and the events leading up to the Revolution and the adoption of the Constitution. Three hours lecture per week.

Three hours credit.

302. AMERICAN FOREIGN RELATIONS. A study of the most significant diplomatic problems arising out of wars, westward expansion, and colonial possessions, with special attention to the evolution of the United States as a world power. Three hours lecture per week.

Three hours credit.

303-304A. CONSTITUTIONAL HISTORY OF THE UNITED STATES. This course presents an analysis of American political philosophy, constitutional origins, and Supreme Court decisions in their influence upon economic and social problems. Three hours lecture per week.

Three hours credit per semester.

304. THE RENAISSANCE AND REFORMATION. A study of the intellectual, artistic, and commercial developments from the fourteenth to the seventeenth century, together with the origin of the Protestant tradition and related political factors. Three hours lecture per week.

Three hours credit.

305. MODERN ENGLISH HISTORY. The rise and development of the British Empire from Tudor times to the Commonwealth of Nations, covering political and social reforms, the growth of the cabinet system, and imperial developments. Three hours lecture per week.

Three hours credit.

INTERNATIONAL RELATIONS. (See Political Science 403).

308-309. CIVIL WAR AND RECONSTRUCTION. Emphasis is placed on the events leading up to the War; the various campaigns of the war will be considered and the return to peacetime activity. Three hours lecture per week.

Three hours credit per semester.

401-402. CONTEMPORARY EUROPE. A study of diplomatic, social and economic developments since 1914, with special reference to the rise of fascist states, international rivalries, the Soviet and Nazi revolutions, and world peace organizations. Three hours lecture per week.

Three hours credit per semester.

MATHEMATICS

The study of mathematics has always been considered valuable because of its training in exact reasoning, precise statement, and its emphasis on essentials. It is a foundation for work in the sciences, particularly engineering, physics, and chemistry.

For the field of concentration with the major in mathematics, 24 hours are required; 18 hours for a minor.

10. PLANE GEOMETRY. For students deficient in entrance mathematics. Three hours class per week.

No college credit.

100. INTERMEDIATE ALGEBRA. For students presenting only one year of high school algebra and desiring further work in science or engineering. Three class hours per week. No college credit toward a major.

Three hours credit per semester.

101. COLLEGE ALGEBRA. After a rapid review of quadratic equations, this course deals with the binomial theorem, permutations and combinations, probability, series, determinants, and theory of equations. Three class hours per week.

Three hours credit per semester.

102. TRIGONOMETRY. An introductory course in plane trigonometry dealing with the use of logarithms in the solution of plane triangles, together

with the trigonometric functions of an angle and the fundamental identities connecting its functions. Three class hours per week.

Three hours credit per semester.

103. MATHEMATICS OF INVESTMENT. Explanation of the mathematics involved in computation of interest, annuities, amortization, bonds, sinking funds, and insurance. Three class hours per week.

Prerequisite, Intermediate Algebra.

First Semester. Three hours credit per semester.

108. ALGEBRA AND TRIGONOMETRY. Special engineering course open only to students with special permission. Two class hours per week.

Five hours of credit per semester.

109. ALGEBRA AND TRIGONOMETRY. Special engineering course open only to students with special permission. Four class hours per week.

Four hours of credit per semester.

110. ANALYTIC GEOMETRY AND DIFFERENTIAL CALCULUS. Special engineering course open only to students with special permission. Four class hours per week.

Four hours of credit per semester.

201. ANALYTIC GEOMETRY. A study of the graphs of various equations, curves, resulting from simple locus conditions with stress on the loci of the second degree; polar co-ordinates, and co-ordinates of space. Four class hours per week.

Prerequisite, Trigonometry.

Four hours of credit per semester.

202. DIFFERENTIAL CALCULUS. Usual course including the elements of differentiation and their applications, maxima and minima, curve tracing, rates, curvature and differentials, etc. Four class hours per week.

Prerequisite, Mathematics 201.

Four hours of credit per semester.

301. INTEGRAL CALCULUS. Integration as the reverse of differentiation. Integration as a process of summation. Formal and numerical integration. Practical applications: areas, volumes, pressure, work, lengths of arc, etc. Four class hours per week.

Prerequisite, Mathematics 202.

Four hours of credit per semester.

302. DIFFERENTIAL EQUATIONS. Linear equation, applicants to mechanics and physics, differential equations of the first order and higher

degree, total differential equations, singular solutions. Three class hours per week.

Three hours credit per semester.

401. ADVANCED CALCULUS. A continuation of advanced calculus. Three class hours per week.

Three hours credit per semester.

402. HIGHER ALGEBRA. An advanced course in determinants, theory of relation of roots and coefficients, limits and infinite series, Des Carte's rule of signs, subic and biquadratic equations and Strums Theorem. Three class hours per week.

Three hours credit per semester.

MUSIC

101-102. SIGHT SINGING. The singing of folk songs and other standard music literature. Melodic, rhythmic, and harmonic problems are approached through the use of actual musical material. The result is an enlarged knowledge and appreciation of music, and an ability to sing well at sight. Class sessions three hours a week.

Two hours credit per semester.

103-104. DICTATION. Melodic dictation parallels Music 101-102, and harmonic dictation parallels Music 105-106. Class sessions three hours a week.

Two hours credit per semester.

105-106. HARMONY. The study of chords, their construction, relations and progressions with the practical application of the principles involved to the keyboard. The harmonization of melodies with triads and seventh chords. Modulation. Composition, using the smaller forms. Class sessions three hours a week.

Three hours credit per semester.

107-108. APPLIED MUSIC. Private lessons are offered in piano, organ, violin and voice. Two private lessons per week are required in one's principal field of performance and one private lesson in the minor field. Students in the Music Course are required to minor in piano until grade six in the Piano Course has been passed satisfactorily. Private lessons are one half hour long.

One half hour credit per private lesson per semester.

109-110. **ENSEMBLE.** The study and performance of compositions written in the various instrumental and vocal forms. Credit for ensemble work cannot exceed one hour each year. The following activities are provided:

The Military and Concert Band. In the fall semester the band rehearses three times a week, and twice in the spring semester.

The Symphony Orchestra. In the fall semester the orchestra rehearses two times a week; spring semester, three times. Required of violin majors.

The College Choir. Meets once a week to prepare larger choral works. Required of voice majors.

The A Cappella Choir. Selected voices taken from the student body at large. Meets three times a week to prepare unaccompanied compositions of many styles.

The Men's Glee Club. Meets once a week.

The Women's Glee Club. Meets once a week.

201. **SIGHT SINGING.** A continuation of courses 101-102 with examples being selected from major choral works. Class sessions three hours a week.

Two hours credit.

203. **DICTATION.** A continuation of courses 103-104 with added emphasis being given to harmonic examples. Class sessions three hours a week.

Two hours credit.

205-206. **HARMONY.** A continuation of courses 105-106, including a study of altered chords. Class sessions three hours a week.

Three hours credit per semester.

207-208. **APPLIED MUSIC.** The continuation of private study.

One half hour credit per private lesson per semester.

209-210. **ENSEMBLE.** The second year of ensemble work.

One credit hour per year for activities listed in 109-110.

211-212. **HISTORY OF MUSIC.** A course survey of the field of the history of music with a background of general history and the interrelation of the arts. Class sessions three hours a week.

Three hours credit per semester.

213. **STRINGED INSTRUMENTS CLASS.** The work covered includes a playing knowledge of the instruments and some study of their literature. Class sessions two times a week.

One hour credit.

215. **PIANO SIGHT PLAYING CLASS.** Reading of standard overtures, symphonies and other piano literature for two, four and eight hands.

Accuracy is demanded in rhythm and guides are given to the technique of sight playing. Required of piano majors. Class sessions two times a week.

One hour credit.

217. VOCAL METHODS CLASS. A study of anatomy relative to vocalization; a survey of the physics of sound; a study of rhythm and pulse; diction studied through phonetic spelling. Practical application is made by singing, individually and as a class, selected songs and vocalises. Class sessions two hours a week.

One hour credit.

301. APPRECIATION OF MUSIC. A general survey of musical literature designed to increase the enjoyment of music rather than to study music in a technical sense. Students in the Music Course are not required to take this course but those in the Liberal Arts Course are obliged to do so. Class sessions three hours a week.

Three hours credit.

REQUIRED WORK

PIANOFORTE MAJORS

Pre-college work in the Piano Department is divided into six grades. Special students (those not regularly enrolled in the College) and College students who desire to study piano as a secondary subject will follow the Preparatory Course. Those who desire to major in piano at the college level must meet the requirements of Piano 6 to enter the first year of college piano.

Piano 6: Major and minor scales, four octaves. Major, minor and diminished arpeggios, three octaves. Short preludes of Bach. Easier sonatas of Mozart and Haydn. Mendelssohn's Songs Without Words or material of comparable difficulty.

COLLEGE PIANO

Piano 7: (First year) Major, minor and chromatic scales in parallel motion. Whole tone scale. Major and minor arpeggios, dominant and diminished sevenths in all positions, four octaves. Bach Two Part Inventions. Mozart and Beethoven Sonatas. Mendelssohn's Songs Without Words and other selected materials from the classical, romantic and modern periods.

Piano 8: (Second year) Major, minor and chromatic scales in contrary motion. Arpeggios as in Piano 7, contrary motion. Bach Three Part Inventions. Mozart and Beethoven Sonatas of greater difficulty. Romantic and Modern Compositions.

Piano 9: (Third year) Major, minor and chromatic scales in thirds, sixths and tenths, four octaves; also double thirds. Arpeggios as in Piano

8 with increased speed. Bach Partitas, French and English Suites and Well-Tempered Clavichord. Beethoven Sonatas. A continuation of Romantic and Modern compositions.

Piano 10: (Fourth year) Bach-Well Tempered Clavichord. Beethoven Sonatas of greater difficulty. Concertos, Chopin Etudes, and greater works of the Romantic and Modern periods. Senior recital.

ORGAN

Piano 6 constitutes the minimum background required to permit a student to study organ. Additional work in piano may be required at the discretion of the department head. The foundation teaching in organ is based on trios and pedal studies. Much attention is given to clarity and precision, voice progression, registration and artistic phrasing. The student is given the opportunity to work in both the church and recital fields of organ playing while being given a knowledge of the best in organ literature.

REQUIRED WORK

VOICE MAJORS

Requirements for graduation in this department at the Junior College level include a minimum of one year in a foreign language (preferably French or German). A candidate for graduation must be able to read at sight an American song of average difficulty, perform acceptably at the piano compositions of Piano 6 and present a public recital of songs. Ensemble singing required.

Voice 1: (First year) A study of posture, breathing and resonance as these are applied to tone production. A study of the speaking voice in its relation to singing. Standard vocalises and simpler sacred and secular songs in English. Less difficult songs of Franz, Schubert, etc. (in German), folk songs.

Voice 2: (Second year) The continuation of vocalises as above with others of greater difficulty added. Classic songs of Bach, Handel, Haydn (in English), Mozart (in Italian), and Italian songs of the Bel Canto period, Franz, Schubert, Schumann and Brahms (in German), simpler French songs and modern English and American songs. An introduction to oratorio.

Voice 3: (Third year) Vocalises of greater difficulty involving an understanding of Major, Minor and Chromatic scales. Arias and recitatives from Bach, Handel, Haydn, Mozart. Representative German lieder. Modern French, Italian, and Russian songs (in English). More difficult English and American songs. A continuation of oratorio.

Voice 4: (Fourth year) A continuation of German lieder and modern songs of varied styles, including those of Franck, Debussy, Faure and others. One complete oratorio role.

VIOLIN MAJORS

Violin—(First year). Major scales, and melodic minor scales through three octaves. Harmonic minor scales through two octaves. The above to be played with a variety of bowings, and with both rapid and slow tempo. Major scales in thirds, sixths, and octaves, compass one octave, with a slow tempo. Additional technical study from Sevcik and Gruenberg.

The Kreutzer studies. Suitable pieces, and student concertos and sonatas to parallel the technique studied. In all, purity of intonation, and beauty of tone will be the goal set by teacher and student.

Violin—(Second year). The study of scales continued with tempos being increased. Harmonic minor scales through three octaves. Major and minor scales in thirds, sixths, and octaves, compass one octave, with a slow tempo.

Further study of technique.

Fiorillo studies. Rode studies.

Advanced type of pieces, sonatas, concertos.

Violin—(Third year). The study of scales continued.

Major and minor scales in thirds, sixths, and octaves, compass two octaves.

Advanced studies.

Compositions representative of the classical, romantic, and modern period.

Violin—(Fourth year). Advanced studies.

Compositions—sonatas, concertos, etc., representing the literature of the violin.

Preparation for senior recital.

PHILOSOPHY

201. ETHICS. The central purpose of this course is to give constructive guidance in areas of vital concern to modern youth in college and life. The major problems of personal conduct and social ethics are considered in the light of the principles of moral obligation. Three class hours per week.

Three hours credit.

202. LOGIC. The principles of deductive and inductive logic. The syllogism, fallacies, methods of science, criteria of truth. Three class hours per week.

Three hours credit.

301. INTRODUCTION TO PHILOSOPHY. An introductory course in which the basic philosophical problems, such as the meaning and purpose of human life, standards of truth and value, and the nature of ultimate



Fine Arts Building

reality are considered in the light of the contributions of science, democracy, Hellenism, and Christianity. Study of the chief philosophical world-views aims to develop perspective for the interpretation of experience and contribute to intelligent and effective social action. Three class hours per week.

Three hours credit.

401. HISTORY OF PHILOSOPHY. A comprehensive study of ancient, medieval, and modern philosophy, including an examination of Stoicism, Epicureanism, Scepticism, Neoplatonism, Christian Philosophy, Rationalism, Empiricism, and a study of some of the leading philosophers of the French, English, and American School. Three class hours per week.

Three hours credit.

PHYSICAL EDUCATION

It is the aim of the Physical Education Department to provide a suitable and useful program for the development of reasonable skill and permanent interest in wholesome activities that may be enjoyed after graduation; to stimulate the formation of regular health habits; and give suitable exercises to attain a high degree of physical fitness.

The specific requirement for graduation consists of successful completion of four years of required physical education. In case of disability, students may be excused from the active part of the program upon recommendation of a physician and with the consent of the Department Head. Such students will, however, complete a program of restricted activity, assigned readings in health education, or a combination of both in order to obtain credit in physical education for graduation.

101-102. PHYSICAL EDUCATION. Basic instruction in fundamentals of "carry over" sports such as swimming, tennis, badminton, bowling, volleyball, basketball, softball, handball, boxing, calisthenics, informal gymnastics, etc. Passing a proficiency test in swimming shall be required. Two hours each week.

One hour of credit per semester.

201-202. PHYSICAL EDUCATION. More advanced work in activities offered Freshmen. The student is permitted to express a preference for the sports he liked best and encouraged to become a skillful enthusiast in the activities of his choice. A reasonable degree of proficiency in a sport of his choice shall be required. Two hours each week.

One hour of credit per semester.

301-302. PHYSICAL EDUCATION. A continuation of Physical Education 201-202 with emphasis placed on actual participation in games and sports. Two hours each week.

One hour of credit per semester.

303. **PERSONAL HYGIENE.** A thorough course in practical knowledge of hygiene of the various systems and health education. Two hours lecture per week.

Two hours credit per semester.

304. **PUBLIC HYGIENE.** A survey course in home and community hygiene.

Two hours credit per semester.

401-402. **PHYSICAL EDUCATION.** A continuation of Physical Education 301-302. Two hours per week.

One hour of credit per semester.

PHYSICS

The courses in physics are designed for (1) students who wish to learn something of the facts and laws of physics and their application to the physical world in which we live; (2) students preparing to enter medical, dental, or engineering school; and (3) students who expect to do practical work in industry.

101-102. **GENERAL PHYSICS.** A course in the first semester covering mechanics, heat and sound; and in the second semester, magnetism, electricity, and light. Lectures and recitations based on a standard text accompanied by a systematic course in quantitative laboratory practice. Three hours of lecture and two two-hour laboratory periods per week.

Prerequisite, Mathematics 101-102 or parallel.

Five hours of credit per semester.

201. **STATICS.** The division of mechanics which includes the fundamental conception of a force, the resolution of a force into components, and the composition of forces into a resultant. Both the analytical and the graphic solutions are used.

Prerequisite, Mathematics 101-102; Physics 101-102.

Three hours of credit.

202. **STRENGTH OF MATERIALS.** The application of analytical and vector methods to mechanical systems, including moment and shear diagrams.

Prerequisite, Physics 201.

Three hours of credit.

301. **DYNAMICS.** A division of mechanics including forces which act on a body to cause a change in its motion.

Prerequisite, Physics 201.

Three hours of credit.

302. METEOROLOGY. A study of basic principles pertaining to the observation and recording of weather data, and the basing of future weather predictions on them. First and second semesters.

Three hours of credit.

303. PHYSICS. Light. A study of the theories of physical optics and an introduction to modern spectroscopy. Lecture and laboratory.

Prerequisite, Physics 101-102; Conference on mathematical background required.

Credit three or four hours.

POLITICAL SCIENCE

The courses in political science are intended to acquaint the student with the political institutions and political problems in the United States and the world today.

201. AMERICAN GOVERNMENT. An inquiry into the structure and functions of the various organs of national government, with special reference to their expansion to meet the problems of a modern society. Three hours of lecture per week.

Three hours credit.

202. STATE AND LOCAL GOVERNMENT. A comparative study of the organization and functions of the states and their subdivisions, their relationship to the federal government, and the newer concept of the work of state administration. Three hours of lecture per week.

Three hours credit.

301. PRINCIPLES OF POLITICAL SCIENCE. A study to acquaint the student with the functions of the modern state, the development of political thought, individual liberty under the law, and the nature of political parties. Three hours lecture per week.

Three hours credit.

302. POLITICAL PARTIES AND PRESSURE POLITICS. A study of political parties in the United States with emphasis upon factors of control, campaign techniques, propaganda, and their relationship to pressure groups. Three hours lecture per week.

Three hours credit.

303. COMPARATIVE GOVERNMENT. An analysis of several governments of the world, affording a comparison between democratic and authoritarian states, with particular attention directed to changes resulting from World War II. Three hours lecture per week.

Three hours credit.

304. MUNICIPAL GOVERNMENT. An analysis of different forms of city government in the United States, the relation of the city to the states, city politics and elections, and the problems of municipal administration. Three hours lecture per week.

Three hours credit.

CONSTITUTIONAL HISTORY OF THE UNITED STATES. (See History 303).

BUSINESS LAW. (See Business Administration 302 and 303).

401. PUBLIC ADMINISTRATION. A study of the principles, organization, and procedures of public administration, with special attention to the location of authority, analyses of objectives, and the problems of responsible bureaucracy. Three hours lecture per week.

Three hours credit.

402. THE SUPREME COURT AND THE CONSTITUTION. A detailed analysis of the Supreme Court's interpretation of federal government, due process of law, the protection of civil liberties, the police power, interstate commerce, and the executive power. Three hours lecture per week.

Three hours credit.

403. INTERNATIONAL RELATIONS. A study of contemporary world politics with special attention to the problems of post-war reconstruction and efforts to achieve collective security and a new world order. Three hours lecture per week.

Three hours credit.

404. INTERNATIONAL LAW. A study by the case method of the nature and scope of the rules governing the conduct of states with one another during peace, war and neutrality. Three hours lecture per week.

Three hours credit.

PSYCHOLOGY

The psychology courses aim to acquaint the student with the facts and laws of behavior, especially human behavior, and with the experimental and scientific approach to this field. These courses aim to give the student background preparation for professions which relate to individual and group behavior.

201. GENERAL PSYCHOLOGY. A brief study of the nervous system, sensory processes, and the physiological drives in behavior. Textbook, lectures, readings, and experiments. Three class hours per week.

Three hours credit.

202. CHILD AND ADOLESCENT PSYCHOLOGY. Aims to study the behavior from birth to maturation; principles in harmony with normal,

wholesome development of childhood; consideration of intellectual, emotional, social, physical, and vocational adjustments of youth. Three class hours per week.

Three hours credit.

203. **EDUCATIONAL PSYCHOLOGY.** A survey of the general psychological principles as applied to learning and the development of personality. Three class hours per week.

Prerequisite, General Psychology.

Three hours credit.

204. **SOCIAL PSYCHOLOGY.** The behavior of the individual with reference to the group. Social factors in personality, such as imitation, suggestion, attitudes, ideals, etc. Reciprocal effect of group behavior on the individual. Three class hours per week.

Three hours credit.

205. **HUMAN RELATIONS.** A study of the social and psychological interaction of people with emphasis upon the conditions for, and diagnosis of, harmonious relations. Basic study materials are cases drawn from everyday experiences, supplemented by selected readings from a wide variety of sources. Class discussions, reports, few lectures. Three class hours per week.

Three hours credit.

206. **GENERAL PSYCHOLOGY.** A continuation of Psychology 201 for students specializing in Psychology. Three class hours per week.

Three hours credit.

301. **INDUSTRIAL PSYCHOLOGY.** The application of the principles to vocational guidance, problems of personality, problems of employment, advertising, the professions, and physical efficiency. Three class hours per week.

Prerequisite, General Psychology.

Three hours credit.

302. **ABNORMAL PSYCHOLOGY.** A general survey of the principal forms of mental abnormalities with emphasis upon symptoms, causes, and treatment. Three class hours per week.

Prerequisite, two courses in Psychology.

Three hours credit.

303. PERSONALITY. Technique for diagnosing personality, study of personality. Three class hours per week.

Prerequisite, three hours in Psychology.

Three hours credit.

304. STATISTICS. Numerical trends, curve, index, correlations, interpretation of charts and graphs. Three class hours per week.

Three hours credit.

401. TESTS AND MEASUREMENTS. Practical survey course of the field of tests, and measurements; deals with development of tests, principles involved in construction, administration, uses, and misuses of tests in school, industry, and court. Three class hours per week.

Prerequisite, General and Educational Psychology.

Three hours credit.

402. SYSTEMATIC PSYCHOLOGY. A study of the various theories of Psychology, with regard to their agreements and conflicts. Three class hours per week.

Prerequisite, three hours in Psychology.

Three hours credit.

403. HISTORY OF PSYCHOLOGY. Trends and development of Psychology. Three class hours per week.

Three hours credit.

RELIGION

101. THE LIFE AND TEACHINGS OF JESUS. The life and teachings of Jesus are studied with the Synoptic Gospels as a basis. A comparison with the Johannine presentation is then made. Distinctive features of the respective Gospels' portraits of Jesus are continually pointed out. Emphasis is also placed on the significance for the present day of the material studied. Three class hours per week.

Three hours of credit.

102. THE LITERATURE OF THE NEW TESTAMENT. A general introduction to the literature of the New Testament. The various books will be studied with reference to their background, authorship, date and general teaching. General critical questions and those peculiar to each book will be considered. Required of Freshmen. Three class hours per week.

Three hours of credit.

103. THE LITERATURE OF THE OLD TESTAMENT. A general introduction to the more important books of the Old Testament. Questions as to the nature, authorship, and general teachings of these books will be discussed. Special attention will be directed to those features which aid in the preparation for teaching Christianity.

Three hours of credit per semester.

121. THE RELIGIONS OF MANKIND. A comparative study of the religious beliefs and practices of mankind as they are represented in the living religions of today. An attempt will be made to discover the universal aspects of religion as well as those which are peculiar to the religions studied.

Three hours of credit per semester.

122. CONTEMPORARY RELIGION IN AMERICA. A study of the religious life in the United States with principal reference to the Protestant Churches, but including the Roman Catholic Church and Judaism. A brief survey of the origin and development of leading denominations, followed by the study of their current contribution to our social situation and to religious thought. Representatives of the religious groups studied will be invited to present their respective viewpoints.

Three hours of credit per semester.

201. INTRODUCTION TO RELIGIOUS EDUCATION. A survey including the nature and purpose of religious education in the Christian Church, its historical development, the psychology of adolescence, development of Christian character, theories of curriculum, and needed educational emphasis in the local church. First semester.

Three hours of credit per semester.

202. METHOD IN RELIGIOUS EDUCATION. Practical consideration of the problems of organizing a program of religious education in the local church, techniques of teaching, evaluation and use of available curriculum materials, and leadership training. The course deals with the church school and evening youth meeting, also with week-day and daily vacation church schools and institute work. Second semester.

Three hours of credit per semester.

SCIENCE

The aim of this course is to give the student not entering the scientific field a background of some of the more important laws, theories, and methods of the physical and biological sciences operating in the universe and their effect on mankind. Science 101-102 satisfies the science credit for graduation, but may not be counted toward any science minor or major.

101. SCIENCE I. Survey course in the principles of the Physical Sciences, emphasizing the scientific method. Three hours of lecture per week.

Three hours of credit.

102. SCIENCE II. A continuation of Science I emphasizing the Biological Sciences. Three hours of lecture per week.

Three hours of credit.

SECRETARIAL SCIENCE

105-106. ELEMENTARY SHORTHAND. See Business 105-106.

107-108. ELEMENTARY TYPEWRITING. See Business 107-108.

114. BUSINESS COMPUTATIONS. See Business 114.

115. BUSINESS COMPUTATIONS. See Business 115.

116-117. BOOKKEEPING. See Business 116-117.

205. BUSINESS CORRESPONDENCE. See Business 205.

210-211. ADVANCED SHORTHAND. See Business 210-211.

212-213. ADVANCED TYPEWRITING. See Business 212-213.

214. MEDICAL SHORTHAND. See Business 214.

222. OFFICE PRACTICE. See Business 222.

SOCIOLOGY

The courses in sociology are designed to give students an understanding of human relationships, institutions and the social processes; to familiarize students with the nature and causes of social problems; to equip the student with basic courses for continuing advanced work in various kinds of social work.

101-102. INTRODUCTORY SOCIOLOGY. A study of the genesis and development of human society including the following topics: the origins of man and human culture; primitive society and institutions; the origins of modern society; factors influencing the shaping of society including the physiographic, biological, and psychological; the cultural factors in social life; mores and folkways; and social organization and control. Three class hours per week.

Three hours credit per semester.

201. SOCIAL PROBLEMS. A survey of certain problems of the contemporary social order including the following: culture area concept; social ecology of a city; adaptive lag; socialized education; the social hazards of

modern industrial life; social changes and social problems caused by widespread use of motor transportation, automatic machinery, the movies, the radio, the shortened working week; urbanization of population; Social Security Act; unemployment; mothers' pensions; concept of the biological lag; illegitimacy; the meaning and social significance of modern city planning; social settlements; social effects of the labor movement. Three class hours per week.

Three hours credit.

202. **THE FAMILY.** A study of the background and contemporary aspects of the modern American family covering the following topics: cultural backgrounds of the modern family; historical phases of the modern family; contemporary problems—biological, economic, and psychological; family disintegration and reorganization. Three class hours per week.

Three hours credit.

302. **EDUCATIONAL SOCIOLOGY.** The aims, goals, and purposes of education as interpreted from the sociological viewpoint. Topics to be considered are: the nature and function of Educational Sociology; the individual and the social group, its educational implications; the development of the social personality; the school as a social institution; the home and education; the community and education; problems of improvement of the teaching service; educational objectives as viewed from society's needs; educational guidance; discipline and moral education. Three class hours per week.

Prerequisite, 3 semester hours of Sociology.

Three hours credit.

204. **SOCIAL PATHOLOGY.** A survey of the more serious pathological maladjustments of contemporary American society. Among the problems studied are: causes, social results, and treatment of poverty; drug addiction; alcoholism; mental disease; mental deficiency; prostitution; vagabondage; sickness; blindness and deafness; neglected children; disablement; and old age. One or more preliminary courses in Sociology desirable, though not required. Three class hours per week.

Three hours credit.

401. **CRIMINOLOGY.** An introductory course including the following: the nature of crime; causes and factors in crime and delinquency; crime and delinquency as affected by environmental factors; criminal detention and court procedure; the punishment of crimes; the prison method of punishment; parole and pardon; reformation and prevention of crime. Three class hours per week.

Prerequisite, 6 semester hours of Sociology.

Three hours credit.

402. RACE RELATIONS. A study of the adjustments which the minority racial groups in our population are making to the social, economic, and religious patterns of our contemporary culture. Also, the contributions which these racial groups are making and have made to the culture patterns in the United States. Among the groups studied are: the Indian, the Negro, the French-Canadian, the Finns, the Polish, the Irish, the Chinese, Japanese, and Filipinos. The Alien Registration Act 1940; and immigration and naturalization requirements are given attention. Three class hours per week.

Prerequisite, 6 semester hours of Sociology.

Three hours credit.

SPANISH

A major in Spanish constitutes 24 semester hours beyond Spanish 12.

A minor is 18 semester hours.

11-12. BEGINNING SPANISH. Presents the essentials of Spanish grammar, including idioms and irregular verbs. Conversation in Spanish during the course. Class meets four hours per week.

Four hours credit per semester.

101-102. INTERMEDIATE SPANISH. Review of grammar, idioms, and irregular verbs. Reading of representative works of modern Spanish prose. Outside readings and reports. Composition and conversation in Spanish. Three class hours per week.

Three hours credit per semester.

201-202. THIRD-YEAR SPANISH. Selected readings of dramas and novels of the nineteenth century Spain. Outside readings and reports. Spanish conversation and dictation exercises. Three class hours per week.

Three hours credit per semester.

203-204. COMMERCIAL SPANISH. Commercial forms, letter writing, idioms in commerce, and dictation. Three class hours per week.

Prerequisite, Spanish 102 or equivalent.

Three hours credit per semester.

207-208. SPANISH CONVERSATION AND COMPOSITION. Training in ability to converse on practical subjects in everyday life. Customs and manners reviewed in conversational style. Three class hours per week.

Prerequisite, Spanish 102 or equivalent.

Three hours credit per semester.

214-215. INTRODUCTION TO SPANISH AMERICAN LITERATURE. Representative works read of Spanish American authors. Outside readings and reports. Dictations. Three class hours per week.

Prerequisite, Spanish 202 or equivalent.

Three hours credit per semester.

301-302. ADVANCED SPANISH GRAMMAR. Spanish style illustrated by reading representative modern authors. Difficult points of grammar usage studied. Idioms and verb forms of high frequency. Three class hours per week.

Prerequisite, Spanish 208 or equivalent.

Three hours credit per semester.

SPEECH

101. PUBLIC SPEAKING. Development of assurance in public appearance through impromptu and extemporaneous speaking. Attention to posture, pronunciation, enunciation, voice, and grammatical construction. Voice recordings to enable students to hear their own voices and correct their own faults.

Three hours of credit.

102. PUBLIC SPEAKING. An advanced study of persuasive speaking, with practice in the organization and presentation of material to fit varying specific audiences. Study of effective techniques in delivery. Voice recordings.

Prerequisite, Speech 101.

Three hours of credit per semester.

201. RADIO SPEECH. Voice and Diction. Introduction to the speech phase of radio. Time devoted exclusively to functional radio speech activity. Microphone practice, criticisms, periodic voice recordings, interpretation of radio dramatic material with emphasis on convincing character-

ization. One hour lecture per week and two one-hour laboratory periods per week.

Two hours credit.

202. RADIO SPEECH. Radio Production. A continuation of the voice and diction work of Radio Speech 201 plus that phase of radio which has to do with preparing and presenting programs on the air. Four one-hour laboratory periods per week.

Two hours credit.

302-303. PLAY PRODUCTION. Fundamentals of acting, stage design, costume and make-up. Lecture and laboratory work with final goal production of plays.

Three hours credit per semester.

FINANCIAL INFORMATION

GENERAL EXPENSES

Following are the rates covering home, tuition, and special fees. Home includes furnished room and board at the college dining hall. Full tuition is charged for any normal schedule of from 12 to 15 hours of class or laboratory instruction per semester. All non-veterans are required to take Physical Education, for which one credit hour per semester is granted without additional cost. Veterans, upon presenting evidence of completion of basic training, are excused from Physical Education and granted one credit hour per semester without extra cost.

Additional credit beyond the normal schedule is charged at the rate of \$12.50 for each semester hour credit. Partial students (those taking less than 12 hours of work per semester, or less than 6 hours of work per semester in the summer session) are charged \$15.00 per credit hour. Individual instruction in music, art, etc., is charged on the basis of instruction in the department. Music and art, chosen as electives, are charged in accordance with the respective departmental fees.

A Registration Fee of \$10.00, which does not apply to the main bill, must accompany every application for admission. The fee is refunded if the candidate is not accepted for admission. Returning students do not pay this fee.

Each student engaging a room must pay a Room Deposit Fee of \$25.00 (to accompany application) and agrees to pay the rent of the room and to occupy the room in person through the entire college term. The full deposit is forfeited if the student is accepted and fails for any reason to occupy the room. This fee is applicable to the main bill. Other fees are assessed as they apply for both regular and summer sessions.

The College reserves the right to revise the schedule of charges as circumstances may necessitate.

EXPENSES IN DETAIL

Tuition—yearly* (Normal Schedule)	\$350.00
Tuition—summer session, per 5 week semester	70.00
Board and Furnished Room—Women	550.00
Board and Furnished Room—Men	518.00
Registration Fee**—Payable with Application for Admission (Does not apply to main bill)	10.00
Room Deposit Fee***—Payable with Application for Room Reservation (Applicable to main bill)	25.00

* The yearly tuition for Music Majors is \$450. This includes required lessons in applied music (voice, piano, organ, violin), as well as academic and theoretical requirements and electives.

** Not refundable if accepted for admission.

*** Not refundable unless notice is received 60 days before Registration Day.

ACTIVITIES FEE

In support of student activities, including athletics, health, student publications, student organizations, lectures, entertainment, and the Greater Lycoming Banquet, and for use of the library and gymnasium, a fee is charged as follows for the term:

Boarding Students	\$ 25.00
Day Students	20.00
Payable—Registration Day, first semester.	
Boarding Students	15.00
Day Students	10.00
Payable—Registration Day, second semester.	
Students in each group	10.00

SPECIAL FEES

(Applies regular and summer session)

Laboratory Fees Per Semester:

Biology, Chemistry, Physics (General)	\$ 7.50
Biology, Chemistry, Physics (Advanced)	10.00
Office Practice (Supplies and Machine Rentals)	5.00
Public Speaking Laboratory Fee	2.00
Fine Arts Laboratory Fee	2.00
Late Registration Fee	5.00
Additional Credit Per Semester Hour	12.50
Key Deposit (For each key required)	.50
Tray Fee (For meals served in rooms) per tray	.20
Damage Deposits* (unused portion returned)	10.00
Diplomas—For A.B. or B.S. degree	10.00
Certificate	5.00
Caps and Gowns (Rental at prevailing cost)	

* A damage deposit of \$10.00 is required of all boarding students. General damage to dormitory property will be charged against this fund. The remainder will be returned to the student at the end of the school year. Wherever possible damage will be charged directly to the person responsible for causing it. Damage and breakage in the room will be the responsibility of the students assigned there.

ART

Tuition per Semester

Full Art Courses:

24 Class periods in Art per week and one academic subject.....	\$175.00
30 Class periods in Art per week, no academic subject	175.00

Part-Time Art Course:

18 Class periods in Art per week	\$110.00
12 Class periods in Art per week	80.00
6 Class periods in Art per week	40.00

MUSIC

Schedule of Individual Instruction in Applied Music for Non-Music Majors

Tuition per Semester

Organ, Piano, Violin, Voice (two lessons per week)	\$ 80.00
Organ, Piano, Violin, Voice (one lesson per week)	40.00
Organ for Practice (one period per day)	10.00
Piano for Practice (one period per day)	5.00

Note: All lessons in practical music are one-half hour in duration. Semester charges are payable in advance upon Registration, as in other departments.

PAYMENTS

The college is unable to extend credit. It is essential, therefore, that all students have sufficient money on hand when they enter to defray their immediate expenses.

Payments follow the schedule listed under terms of payment. All discounts, scholarships, and allowances will be credited at the second payment period when the balance of the semester bill is due. Money earned from college jobs will be credited at mid semester and the end of the semester.

A fee of \$5.00 is required of those who fail to register during the regular registration period. Students who wish to register on partial payment of the tuition fee must obtain permission in advance to do so from the president. A carrying charge of \$5.00 is made to students who do not pay the entire payment at the time of registration. Any student failing to make payment within the required time suffers the loss of college privileges and notice of his delinquency is sent to his parents or guardians.

The tuition fee charged to students who leave college on account of serious illness is fixed on the following schedule: Students leaving during the first four weeks are charged 30%; during the second four weeks, 60%; during the third four weeks, 90%; after twelve weeks, full charge. The adjustment is determined by the date upon which formal notice of withdrawal is sent to the Dean and by the presentation of a doctor's certificate.

No remission of tuition fees is made to students who withdraw for any reason other than serious illness or unavoidable providence, nor to students asked to leave school. Board will be pro-rated by the week over period of attendance.

No deduction is made for absence except in prolonged and serious illness or other unavoidable providence, when the price of board (not tuition, room, etc.) is refunded. No deduction is made for the first two weeks or the last three weeks of the year or term.

Other fees cannot be refunded for any reason whatever.

Students are subject to suspension if bills are not paid within ten days of the dates mentioned unless ample security is furnished. In order to graduate and to receive a degree, diploma, or certificate, or to have a transcript sent, a student must have paid all his bills, in cash or its equivalent—not in notes.

Veterans, both new and returning, are expected to pay for room and board as outlined in terms of payment.

All students, except Veterans under the G. I. Bill, will pay cash for books and supplies purchased at the college bookstore. The bookstore will be open on Registration Day, and daily thereafter.

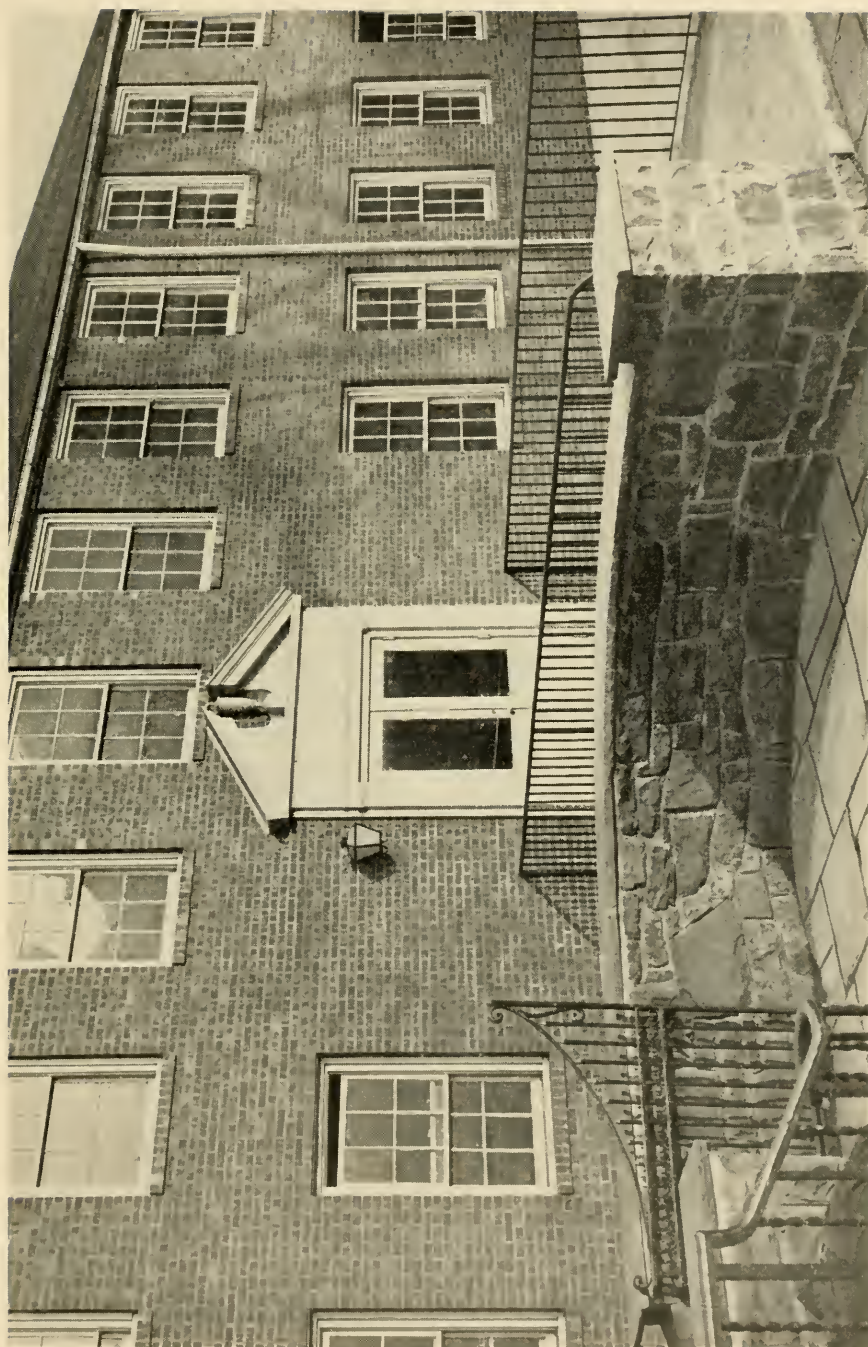
For extra service, such as meals served in rooms, private instruction outside of classroom, etc., an extra charge is made to both students and faculty. Teachers and students remaining at Lycoming College during the short vacations will be charged in accordance with prevailing rates, the daily rates applying to each day or part of a day.

Parents or guardians visiting students are the guests of the college for the first twenty-four hours. Other guests may be entertained if permission is secured in advance from the President. Their student hosts are expected to pay the regular rates for their entertainment. In all instances, students must notify the Business Office of guests in advance, whether parents or other friends are visiting, and payment can be made at that time.

TERMS OF PAYMENT

All remittances should be made to Lycoming College as follows (effective June, 1949):

	Boarding Student	Veteran Boarding Student	Day Student
With Application-Registration Fee	\$10.00	\$10.00	\$10.00
(Paid by New Students Only)			
Room Deposit Fee	25.00	25.00	



Memorial Hall

- 1948 -

Second Semester 1948-1949

	Boarding Student	Veteran Boarding Student	Day Student
On Registration Day—February	220.00	125.00	90.00
April—Balance of Term Bills and Extras			

Note: New Students in February 1949 will pay the \$10.00 Damage Fee in addition.

Summer Session 1949

On Registration Day—June	166.00	96.00	70.00
Beginning Second Semester—July	156.00	86.00	70.00

First Semester 1949-1950

On Registration Day—September	315.00	125.00	185.00
November—Balance of Term Bills and Extras			

- 1950 -

Second Semester 1949-1950

On Registration Day—February	325.00	140.00	185.00
April—Balance of Term Bills and Extras			

Note: New Students in February 1950 will pay the \$10.00 Damage Fee in addition.

DISCOUNTS

Special discounts are allowed for tuition, board and room for the following:

- (1) Two students from the same family at the same time.
- (2) Children of ministers.
- (3) Student preparing for the ministry or missionary work.

Not more than one discount will be allowed to any student.

The college reserves the right to withdraw any discount from a student whose work or behavior is unsatisfactory.

No discount is allowed on Music and Art, whether taken as extra subjects in connection with a regular course or whether the student is majoring in one of these subjects.

LOANS

A limited number of worthy students, members of the Methodist Church, may secure loans from the Student Loan Fund administered by the Board of Education of that Church. Christian character, satisfactory scholarship, promise of usefulness, financial responsibility, and the recommendation of the church to which the applicant belongs are essential to a loan. Each borrower must sign an interest-bearing promissory note.

There are also loan funds in the Philadelphia and the Central Pennsylvania Conferences of the Methodist Church for students from these conferences on practically the same terms as above.

Detailed information may be secured from the President.

SELF-HELP

There are opportunities in the school for self-help for a small number of girls. About forty boys are able to earn part of their expenses in various ways in the school, and there are frequent opportunities for student work in the town.

ENDOWMENT SCHOLARSHIPS

The Margaret A. Stevenson Powell Scholarship, the gift of her children. Endowment, \$1,200.

The Pearl C. Detwiler Scholarship, bequeathed by her to the Endowment Fund, \$500.

The Frank Wilson Klepser Memorial Scholarship, given by his parents. Endowment, \$5,000.

The Benjamin C. Bowman Scholarship, the gift of Mr. and Mrs. J. Walton Bowman. Endowment, \$5,000.

The Mr. and Mrs. A. F. Young Scholarship. Endowment, \$10,000.

The Miriam P. Welch Scholarship. Endowment, \$500.

The Wilson Hendrix Reiley Memorial Scholarship. Endowment, \$500.

The Mrs. Margaret J. Freeman Scholarship. Endowment, \$1,000.

The Agnes L. Hermance Art Scholarship. Endowment, \$2,000.

The Clarke Memorial Fund of about \$100,000, provided by gift and bequest by the late Miss Martha B. Clarke, of Williamsport, Pa., a former student, in the interest of the development program of Williamsport Dickinson Seminary. This was applied to the erection of the Clarke Building.

SCHOLARSHIPS

Over two thousand dollars are awarded annually in scholarships and prizes. This not only encourages scholastic attainment, but also affords generous help to needy, worthy students. The list of scholarships and prizes follows, together with the awards in each case made at Commencement, 1948.

THE DeWITT BODINE SCHOLARSHIP, founded by the late DeWitt Bodine, of Hughesville, Pa.

The entire expenses of board and tuition to that pupil of the graduating class of the Hughesville High School who shall excel in scholarship and character.

CHARLES SCHULTZ Hughesville, Pa.

THE EDWARD J. GRAY SCHOLARSHIP, founded by the late Rev. Dr. Edward J. Gray, for thirty-one years the honored President of this Seminary.

The interest on \$1,000 to be paid annually, in equal amounts to the two applicants who attain a required rank highest in scholarship and deportment in the Senior Class.

ANNA RUTH SANDIN Williamsport, Pa.

AUGUST KLEIN Port Allegany, Pa.

THE ALEXANDER E. PATTON SCHOLARSHIP, founded by the late Hon. Alexander E. Patton, Curwensville, Pa.

The interest on \$1,000 to be paid annually, in equal amounts to the two applicants who attain a required rank highest in scholarship and deportment in the Junior Class.

ANNA LIVINGSTON Williamsport, Pa.

MARJORIE SUNDIN Jersey Shore, Pa.

THE GEORGE W. HUNTLEY, JR., SCHOLARSHIP, founded by George W. Huntley, Jr., Emporium, Pa.

The income on \$10,000 to be applied toward the tuition of a student from Cameron County, the recipient to be named by the donor. If the donor makes no selection, then the College President is to make the selection.

Not awarded 1947-1948.

THE ELIZABETH S. JACKSON SCHOLARSHIP, founded by the late Mrs. Elizabeth S. Jackson, of Berwick, Pa.

The interest on \$500 to be paid annually to the applicant who attains a required rank highest in scholarship and deportment in the Sophomore Class.

JEANNETTE CONFER Williamsport, Pa.

THE WILLIAM WOODCOCK SCHOLARSHIP, founded by William L. Woodcock, Esq., of Altoona, Pa.

The interest on \$500 to be paid annually to the applicant who attains a required rank second in scholarship and deportment in the Sophomore Class.

HENRY MENG Williamsport, Pa.

THE HIRAM AND ELIZABETH WISE SCHOLARSHIP, founded by Hiram Wise, Montoursville, Pa.

The interest on \$500.00 to be paid annually to that ministerial or missionary student who because of present circumstances and promise of future usefulness shall, in the judgment of the President, be deemed worthy of the same.

CHARLES EDWARDS Williamsport, Pa.

THE MRS. JENNIE N. RICH SCHOLARSHIP of \$5,000, the gift of her son, John Woods Rich, the interest on which is to be used in aiding worthy and needy students preparing for the Christian ministry or for deaconess or missionary work.

HAROLD AMMONS Baltimore, Md.

WILLIAM BROWN Clearfield, Pa.

BURTT SWEET Clifford, Pa.

THE McDOWELL SCHOLARSHIP, founded by Mr. and Mrs. James E. McDowell of Williamsport, Pa.

The interest on \$500 to be awarded annually by the President and Faculty to that ministerial student of the graduating class who shall excel in scholarship, deportment, and promise of usefulness, and who declares his intention to make the ministry his life work.

JAMES KEPLER Williamsport, Pa.

THE DAVID GROVE AND WIFE SCHOLARSHIP, founded by the late David Grove, of Lewistown, Pa.

The interest on \$2,040 to be given to worthy, needy students studying for the ministry, the holder or holders thereof to be appointed by the said Lycoming College.

THOMAS ANDERMAN Chester, Pa.

THE MARY STRONG CLEMENS SCHOLARSHIP FUND of \$2,500 donated by the late Chaplain Joseph Clemens, of Manila, P. I.

The interest to be used as scholarship, or scholarship loan aid, for the benefit of a student or students of Williamsport Dickinson Seminary and Junior College who are preparing for the Christian ministry, or for deaconess work, or its equivalent, in the Methodist Church. Beneficiaries may be named by Mrs. Mary Strong Clemens, or in the absence of such recommendation the recipient or recipients shall be named by the President of the school.

Not awarded.

THE BISHOP WILLIAM PERRY EVELAND MEMORIAL SCHOLARSHIP, founded by the Alumni of Dickinson Seminary who were students during the administration of Bishop William Perry Eveland and in his honor.

The interest on \$1,050 to be paid annually to a needy, worthy student or students who shall make the most satisfactory progress in scholarship and give promise of future usefulness and who by loyalty, school spirit, and participation in school activities is considered by the President and Faculty to most fully represent the standards and ideals of Dickinson Seminary.

OLIVER BLACKWELL Forest Hills, N. Y.

THE AMOS JOHNSON SCHOLARSHIP, founded by the late Rev. Amos Johnson of Philadelphia, Pa.

\$500 to be held and invested by Dickinson Seminary and the income arising therefrom to be used for the education of ministerial students of limited means.

HAROLD JENNINGS Clairton, Pa.

THE BENJAMIN C. CONNER SCHOLARSHIP, the interest on \$500 given by Alumni of the seminary to be awarded to that student securing the highest grade in Junior Mathematics. Recipient must be a full Junior and must not be repeating Junior Mathematics.

GERALD GALLAGHER Williamsport, Pa.

THE RICH MEMORIAL SCHOLARSHIP FUND of \$5,000, provided in the will of the late Hon. N. B. Rich, the interest of which is to be awarded annually to worthy young men or women who intend to devote their lives to the preaching of the Gospel, the missionary cause, or the work of a deaconess. The beneficiary shall be named by the Faculty with the approval of the Board of Trustees.

STANTON WINDER Picture Rocks, Pa.

WILLIAM BROWN Clearfield, Pa.

GLENN SMOOT Elkton, Md.

CLIFFORD MCCORMICK Washington, D. C.

DONALD RIPPLE Austin, Pa.

THE C. LUTHER CULLER SCHOLARSHIP, the interest from an endowment of \$5,000 provided in the will of C. Luther Culler, of Williamsport, a graduate of Williamsport-Dickinson in the Class of 1876. Awarded on scholarship.

MARIA DI MARCO Williamsport, Pa.

PRIZES

THE RICH PRIZE, of \$25.00 given in honor of the late Hon. and Mrs. M. B. Rich, of Woolrich, Pa., to the student in the Freshman Class who shall attain a required rank highest in scholarship and deportment.

JOHN SINFELDT Philipsburg, Pa.

THE METZLER PRIZE of \$10.00 for superior work in Junior English, given by the late Rev. Oliver Sterling Metzler, of the Central Pennsylvania Conference.

ANNA NETTA LIVINGSTON Williamsport, Pa.

THE RICH PRIZES of \$15.00 and \$10.00 each, given in honor of the late Hon. and Mrs. M. B. Rich, of Woolrich, Pa., to be awarded to the two students who shall excel in writing and delivering an original oration.

JOHN CREPS Williamsburg, Pa.

HAROLD JENNINGS Clairton, Pa.

THE ART DIGEST PRIZE, given by the Head of the Art Department, a year's subscription to "The Art Digest" to that student who has shown the most improvement.

ALICE RAIZOIN Milton, Pa.

THE C. B. RIDALL PRIZE of \$10.00 given by P. L. Ridall, B.S., M.D., of Williamsport, Pa., of the Class of 1923, in memory of his father and mother, the late Mr. and Mrs. C. B. Ridall, of Berwick, Pa., to be awarded to that student or students who shall be judged to have done the best work in Bible during the year.

CRAIG AICHER Wilkes-Barre, Pa.

THE BETA PSI SORORITY PRIZE. A gift of \$5.00 to be awarded to that student who by the charm of her personality and self-sacrificing spirit has made a most outstanding personal contribution to Dickinson.

WINIFRED SMAY Depew, N. Y.

THE FACULTY PRIZE, awarded to that day student whose scholastic record has been satisfactory and who, in the opinion of the faculty, has been outstanding in the promotion of school spirit through participation in school activities.

NOLAN SMITH Montoursville, Pa.

HONORARY SCIENCE AWARD. The Bausch & Lomb Award to the member of the graduating class in the Preparatory Department who has made the greatest progress in Science.

ROBERT DAYTON Williamsport, Pa.

SUMMARY OF STUDENTS

SUMMER SESSION 1948

	<i>College Enrollment</i>
Arts and Science	89
Business Administration	64
Total	153

FALL SEMESTER 1948

Arts and Science	466
Business Administration	241
Pre-Engineering	106
Secretarial and Medical Secretarial	47
Laboratory Technology	12
Art	14
Music	14
Nurses (30) and Special Students (12)	42
Total	942
Total Fall and Summer Sessions	1,095
Less Duplications	125
Total	970

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